

FIG. 1 (PRIOR ART)

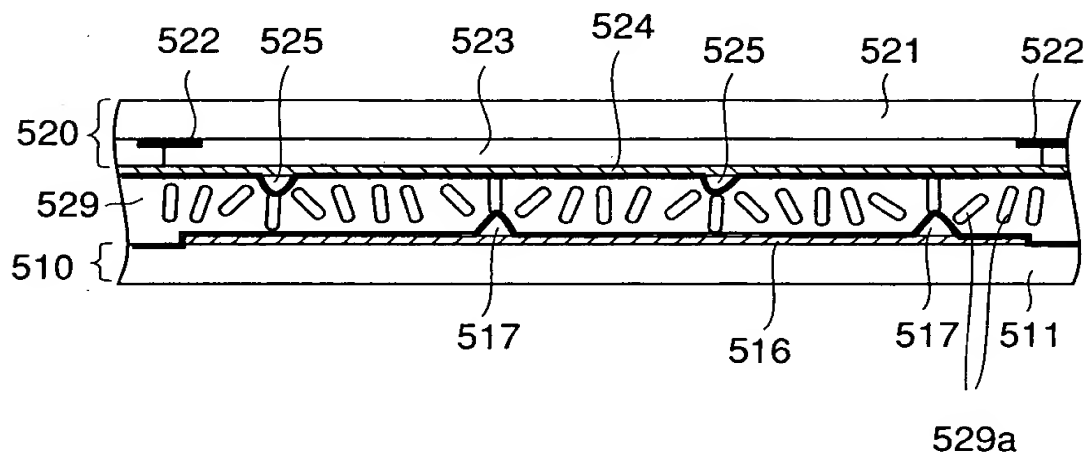


FIG. 2 (PRIOR ART)

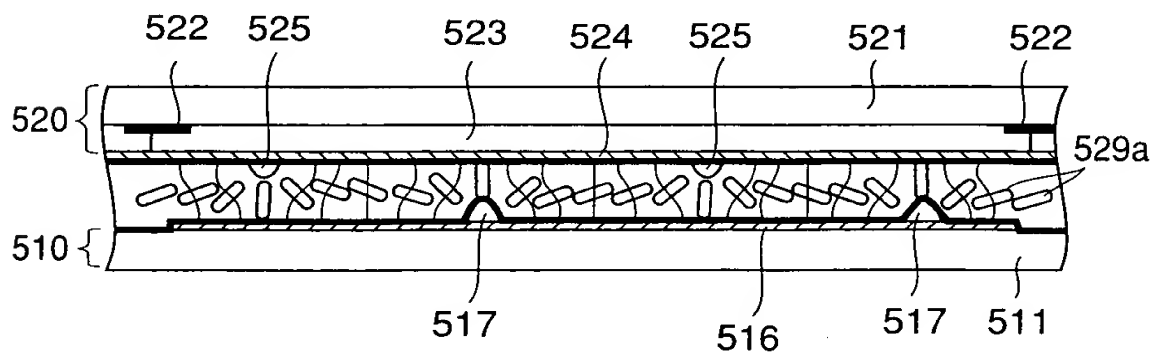


FIG. 1 (PRIOR ART)

FIG. 3 (PRIOR ART)

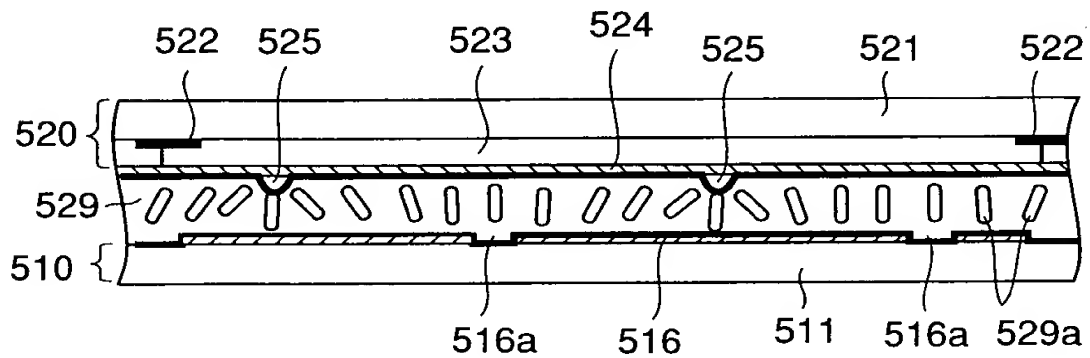


FIG. 3 (PRIOR ART)

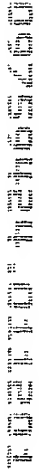
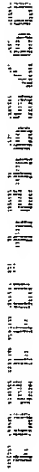
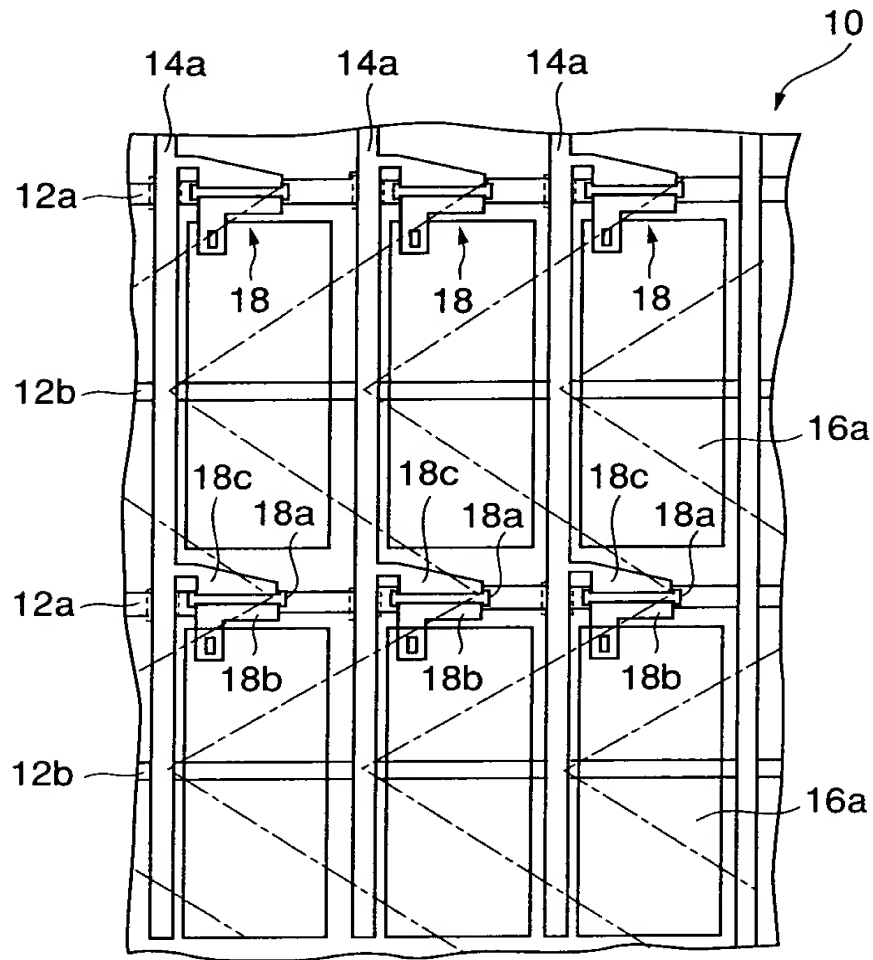
[illegible][illegible]

FIG. 6



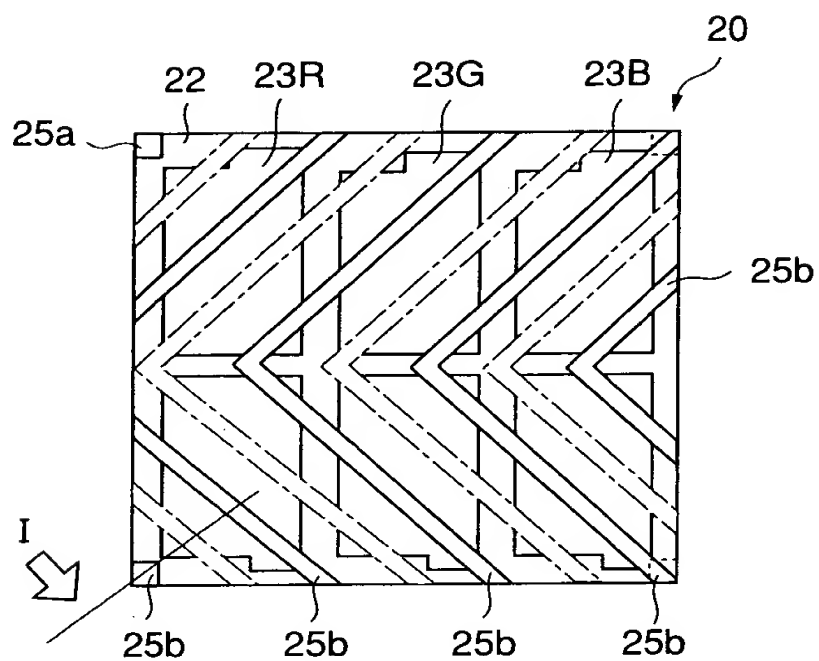


FIG. 8A

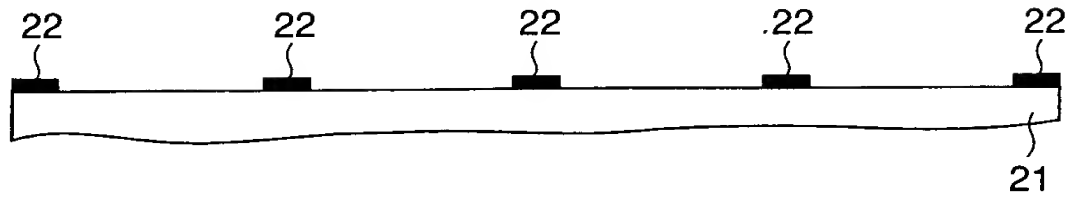


FIG. 8B

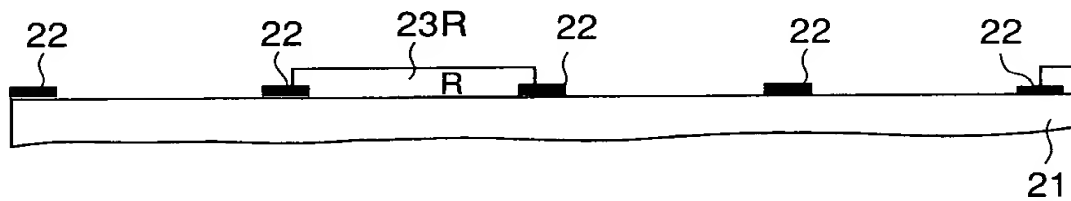


FIG. 8C

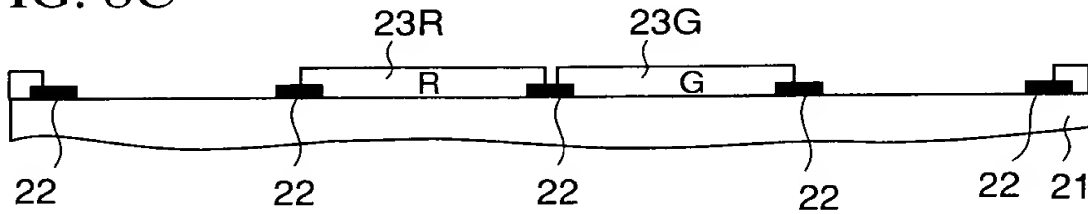


FIG. 8D

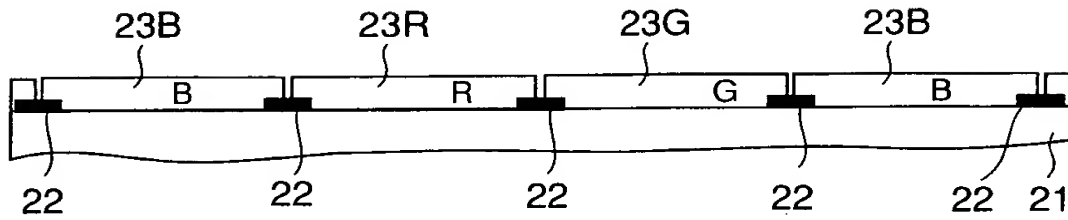


FIG. 8E

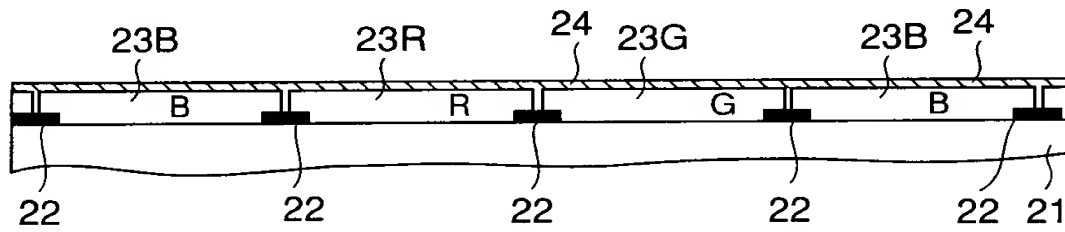


FIG. 8F

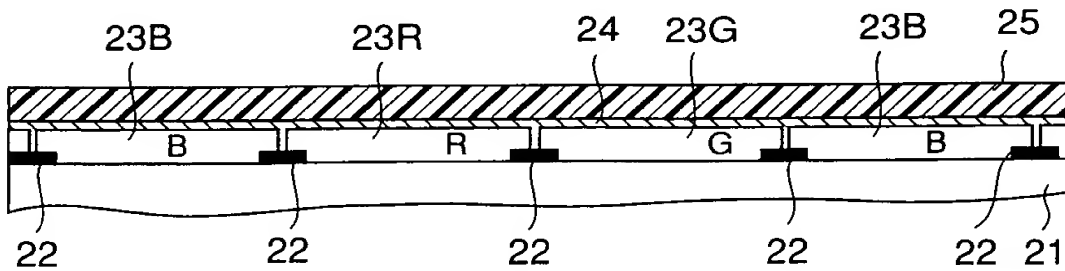


FIG. 9A

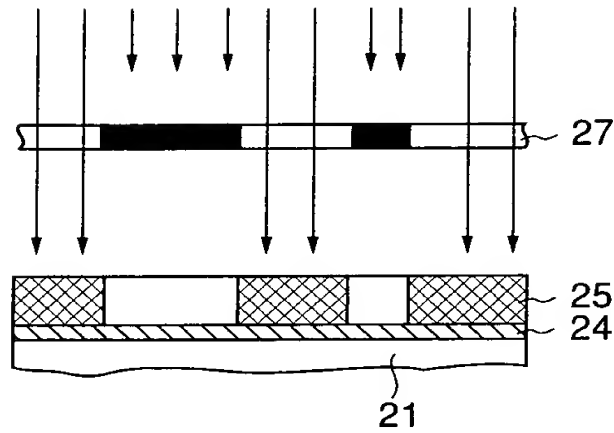


FIG. 9B

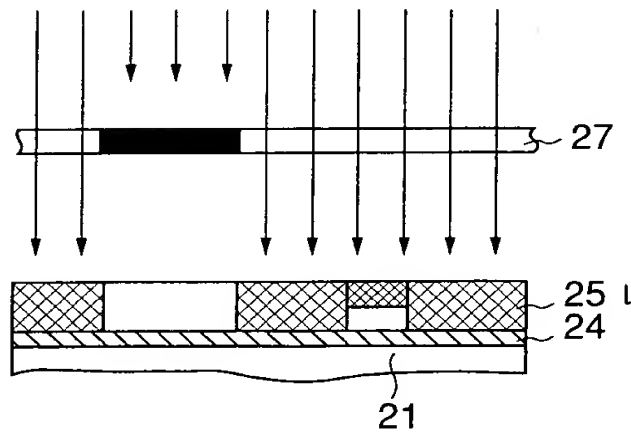


FIG. 10A

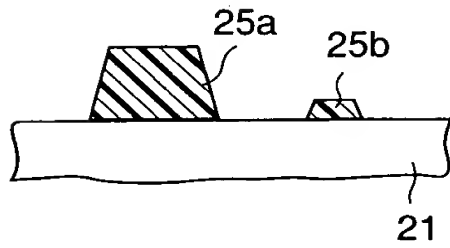


FIG. 10B

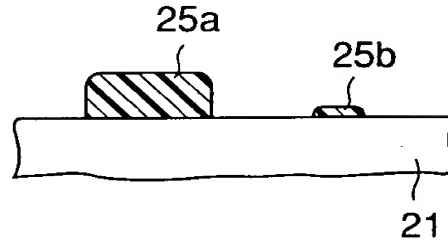


FIG. 11

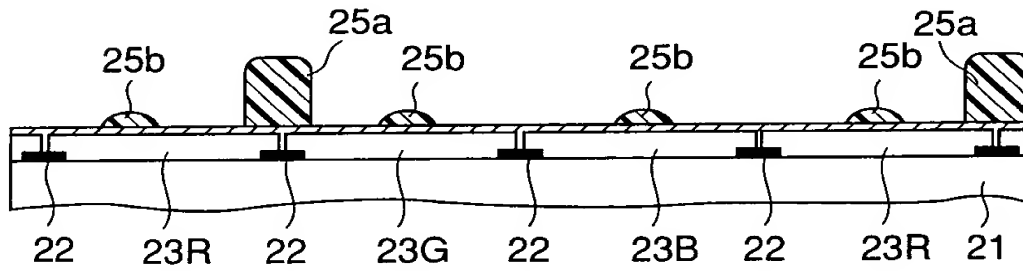


FIG. 12A

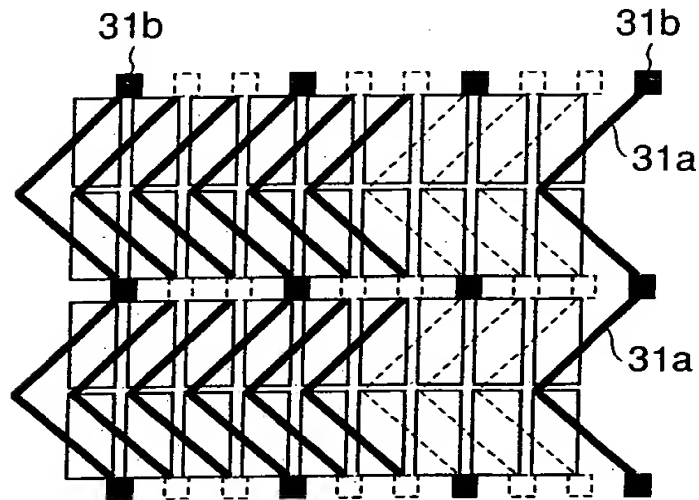


FIG. 12B

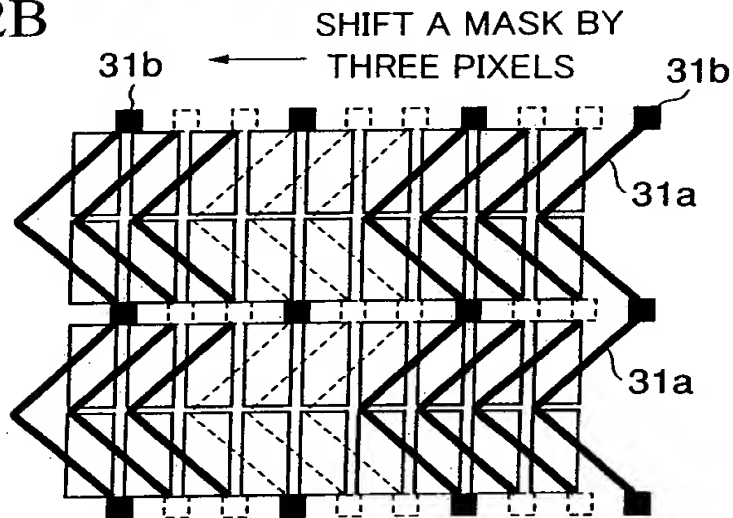
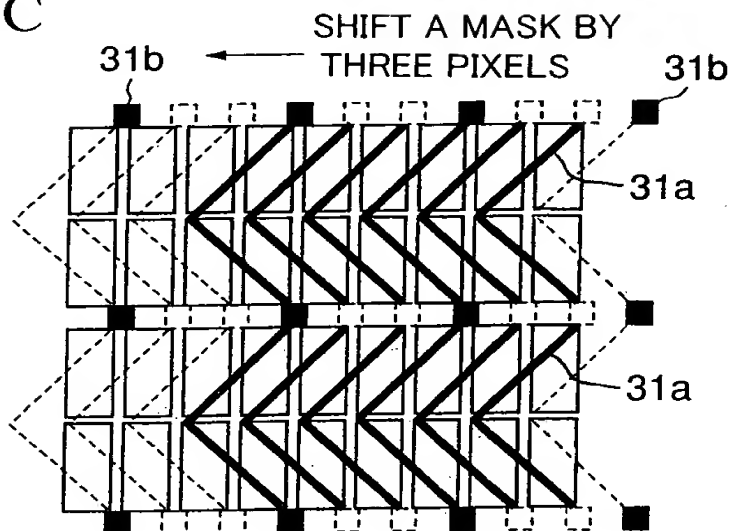


FIG. 12C



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FIG. 13

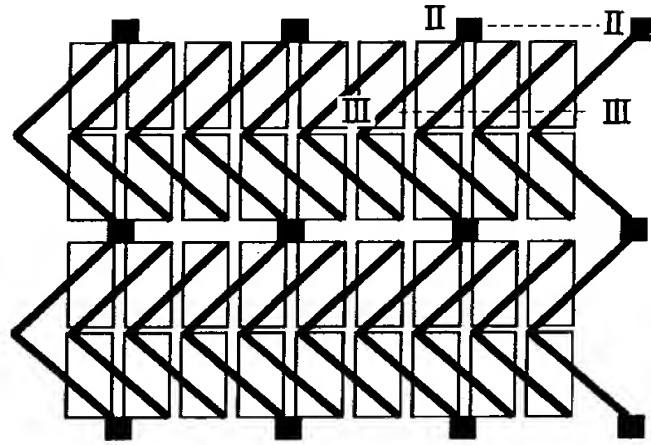


FIG. 14A

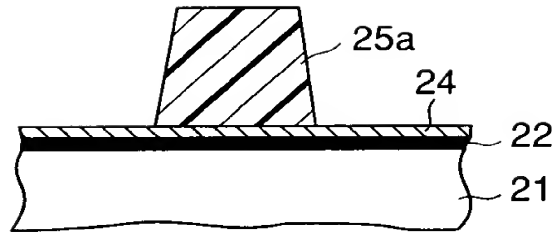


FIG. 14B

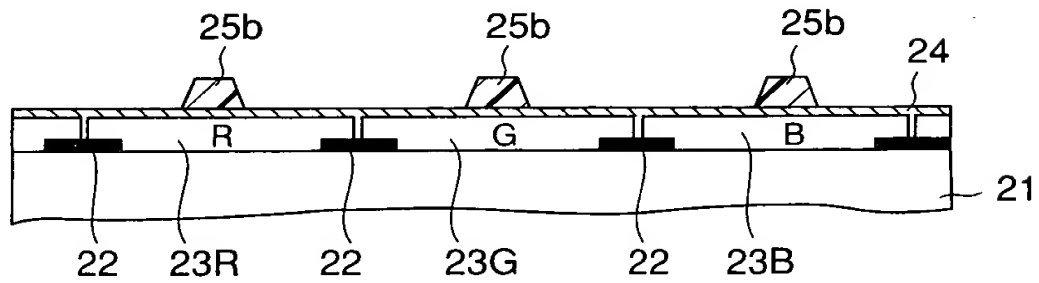


FIG. 15A

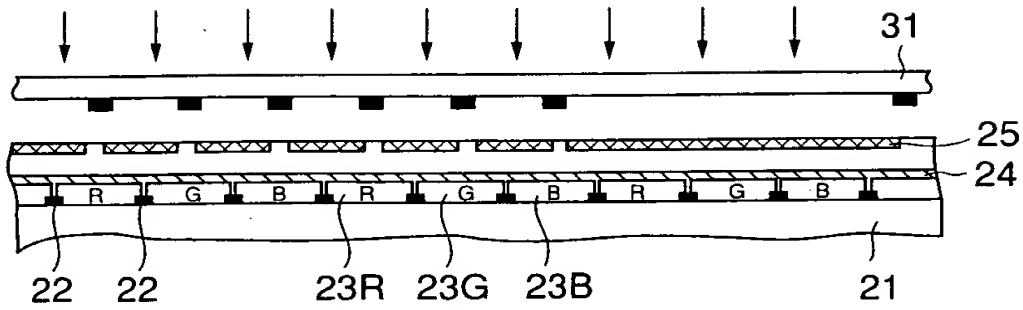


FIG. 15B

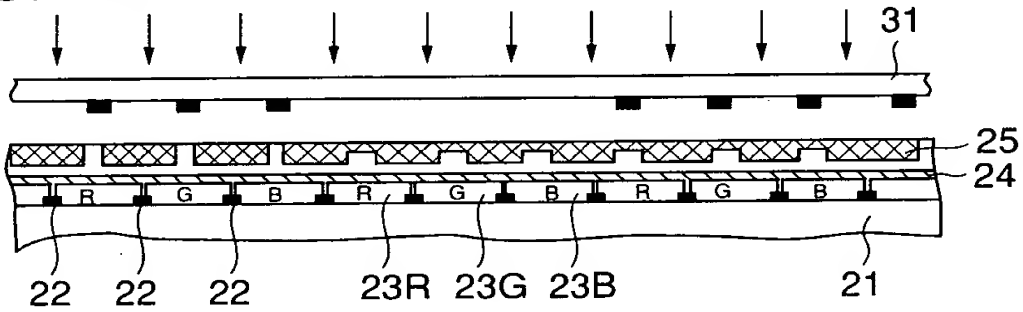


FIG. 15C

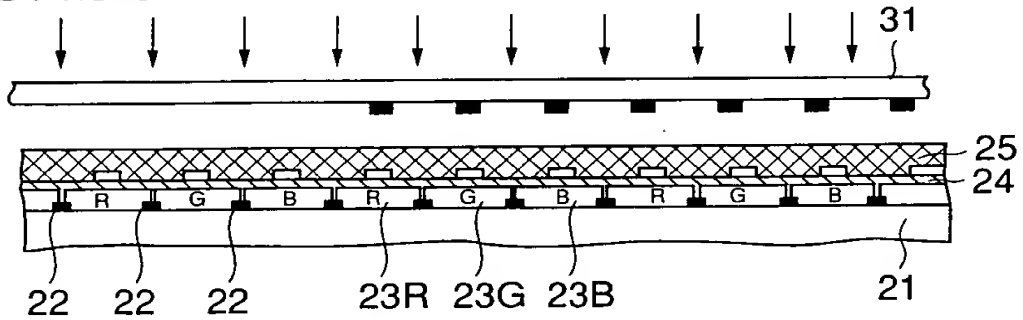


FIG. 16A

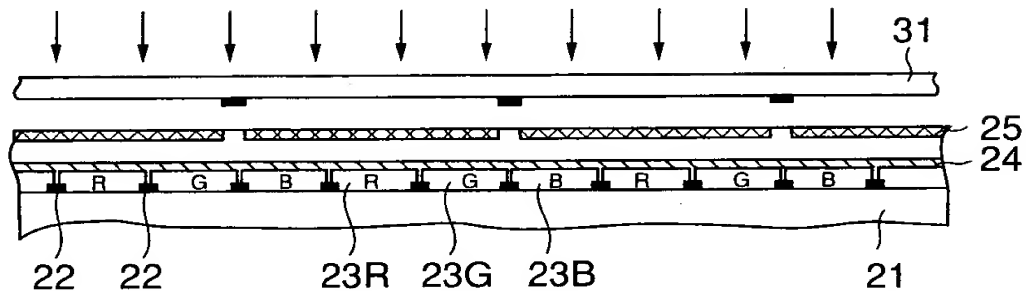


FIG. 16B

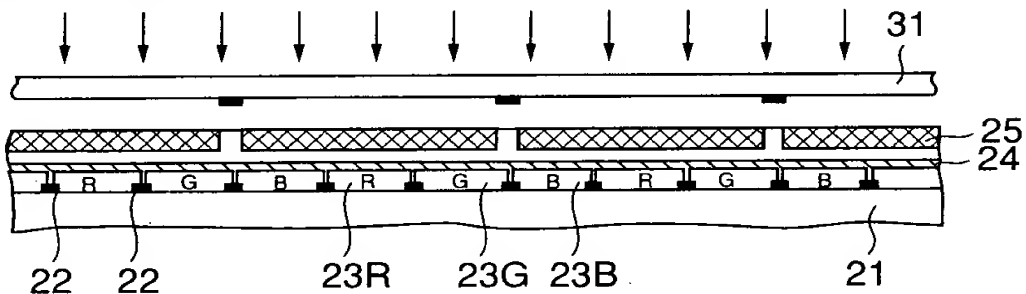


FIG. 16C

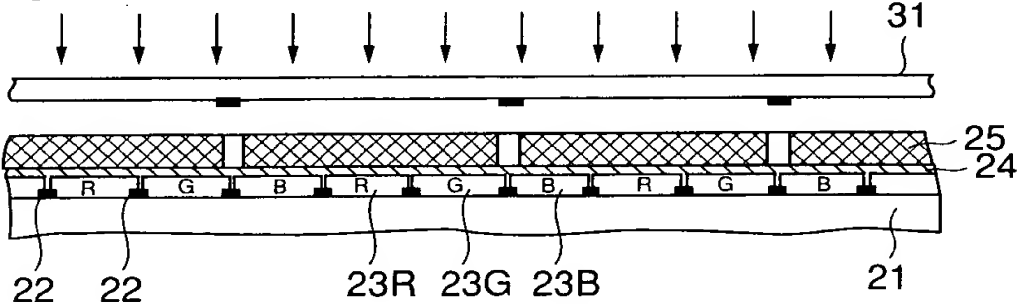


FIG. 17

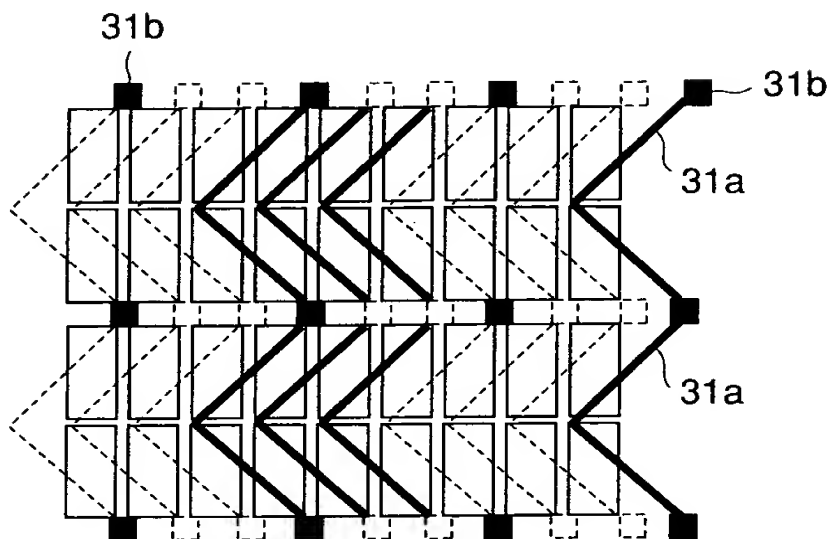


FIG. 17

FIG. 18

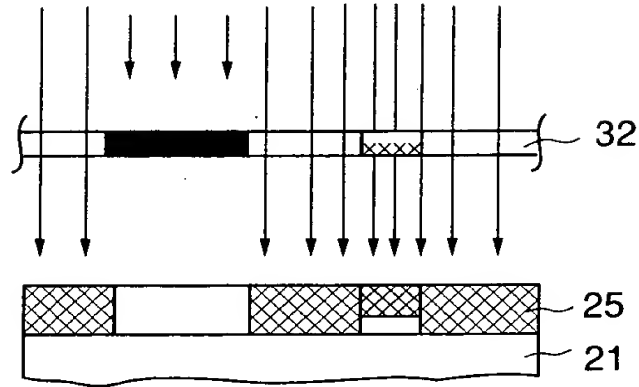


FIG. 19

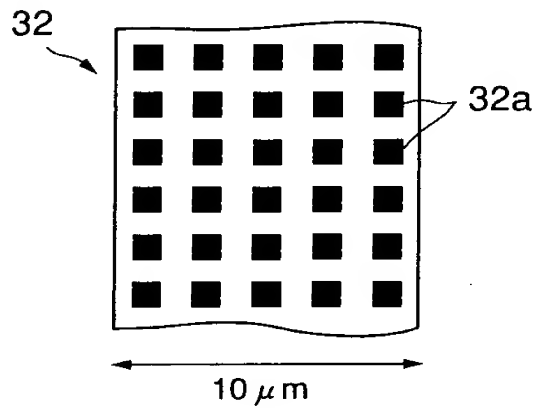


FIG. 20

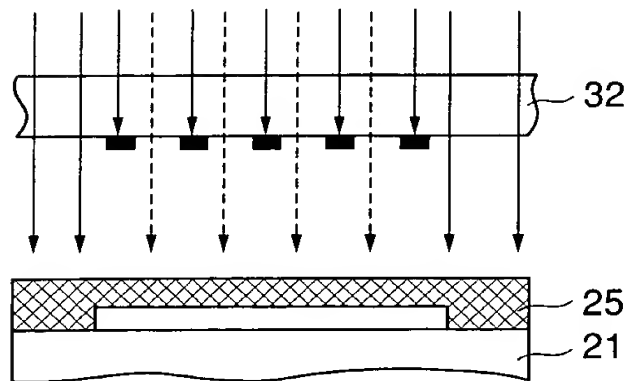


FIG. 21

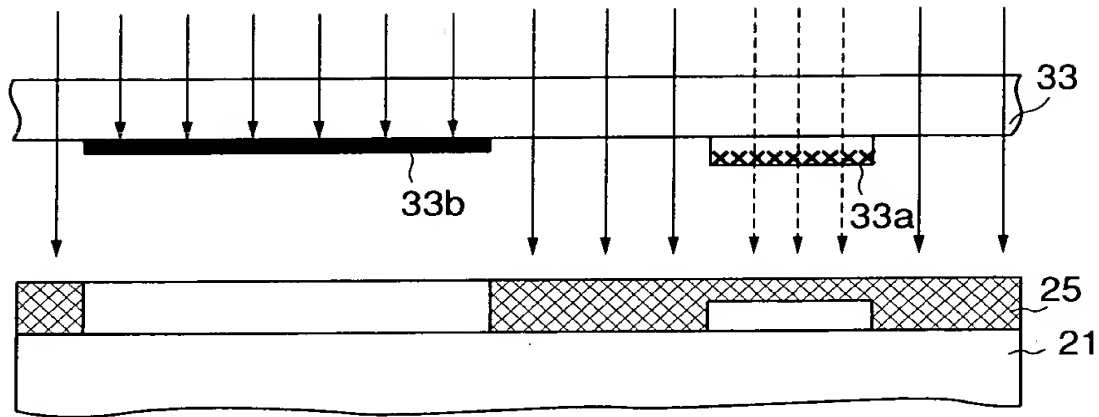


FIG. 22

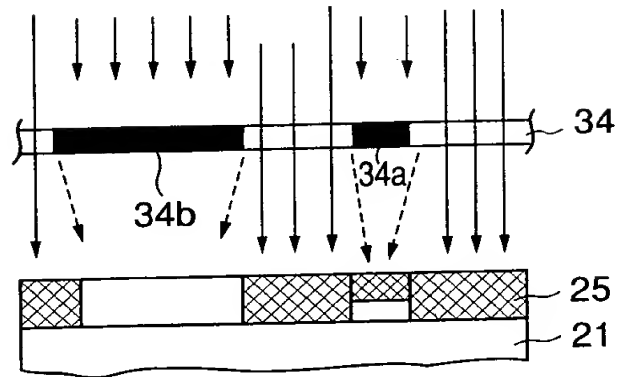


FIG. 23

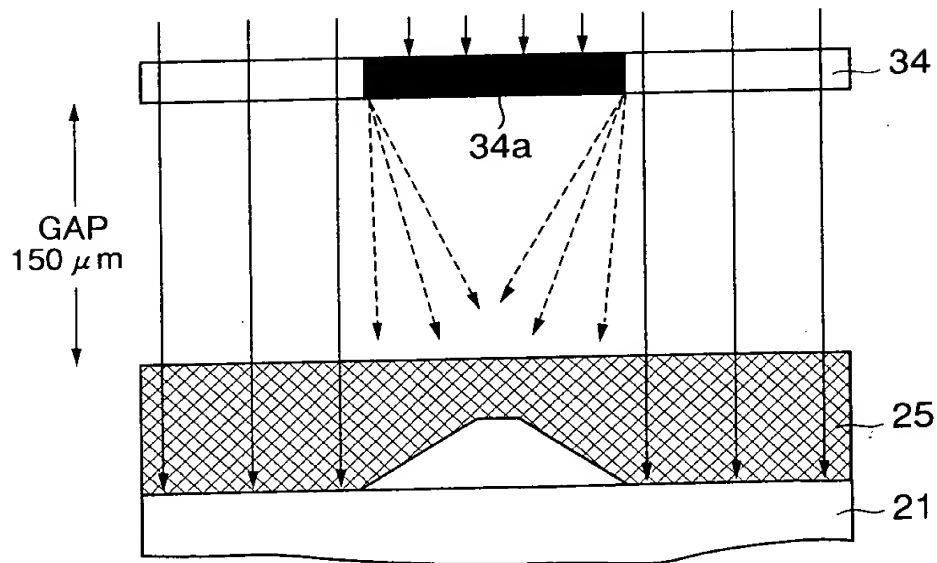
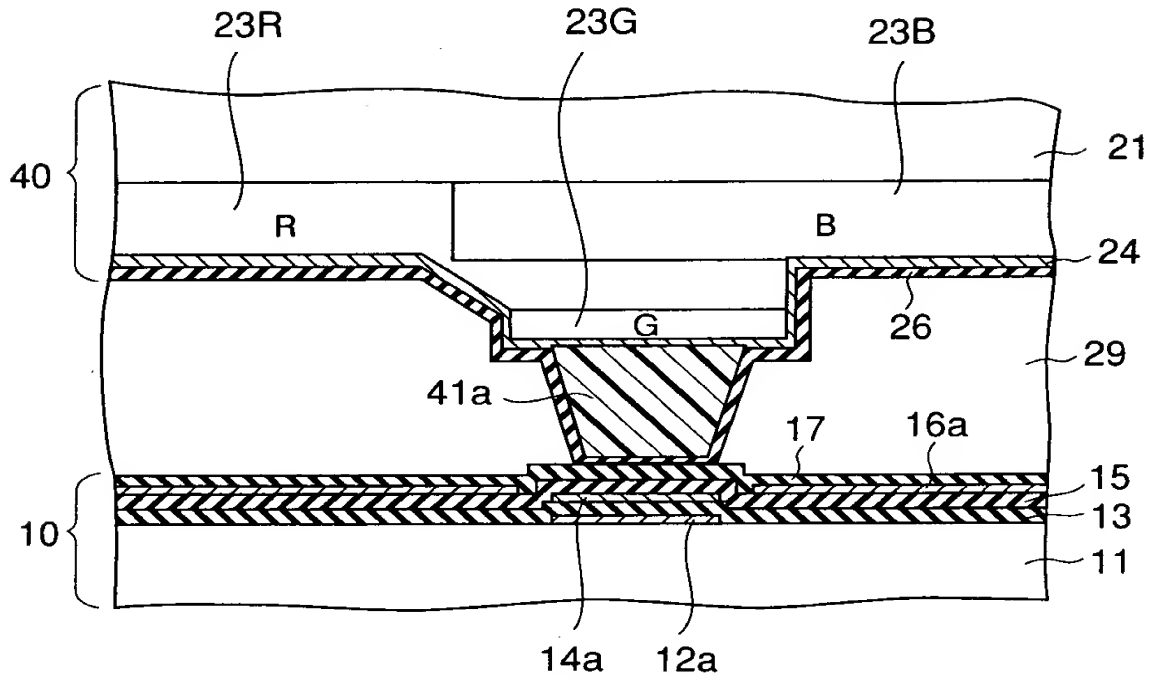


FIG. 24



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FIG. 25

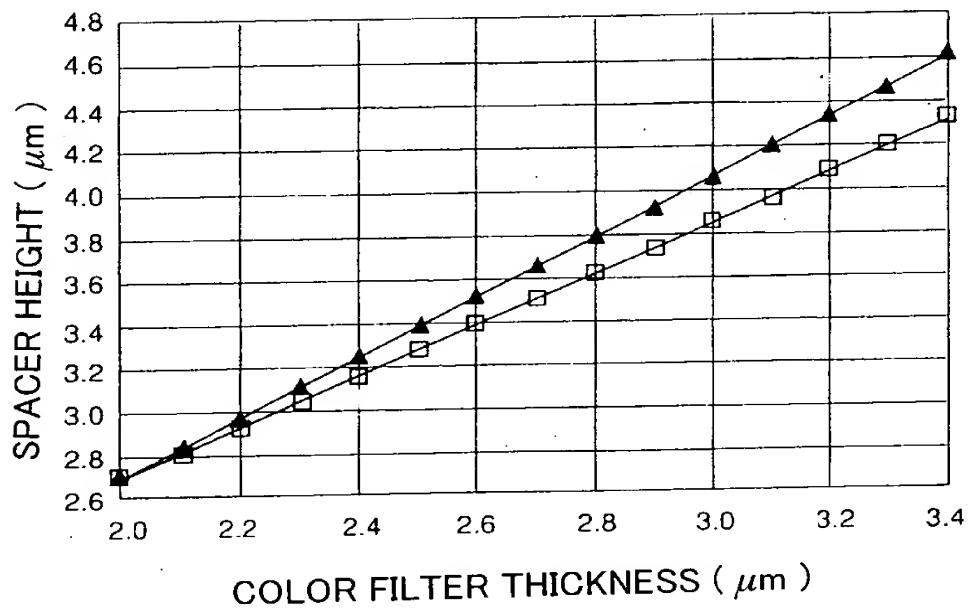


FIG. 26A

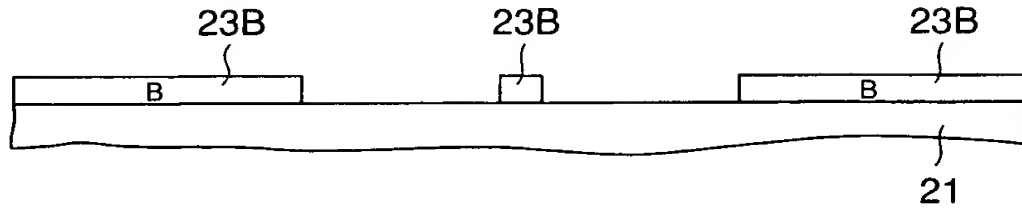


FIG. 26B

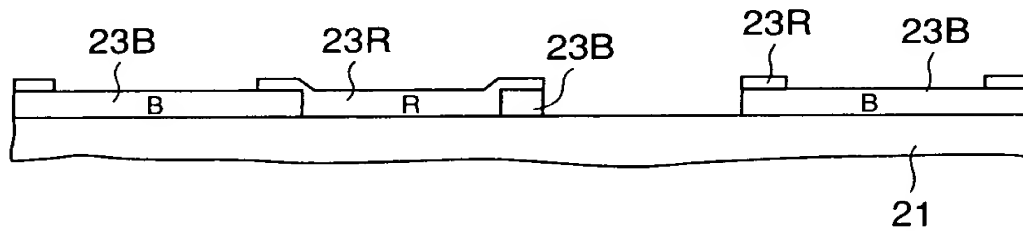


FIG. 26C

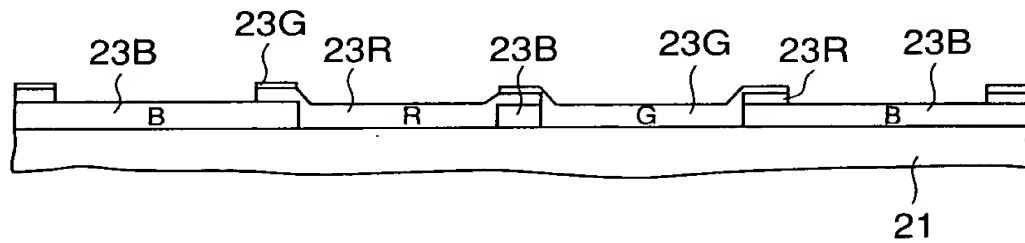


FIG. 26D

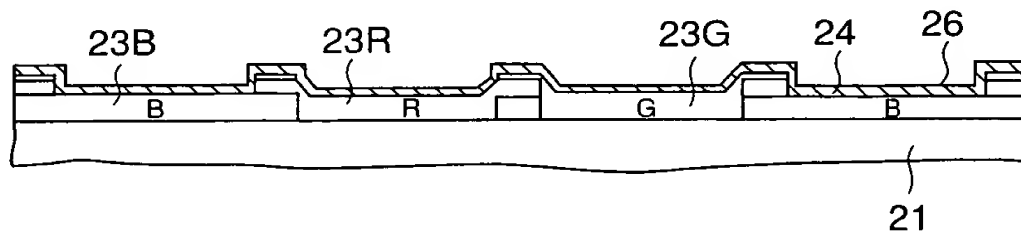


FIG. 26A

FIG. 26E

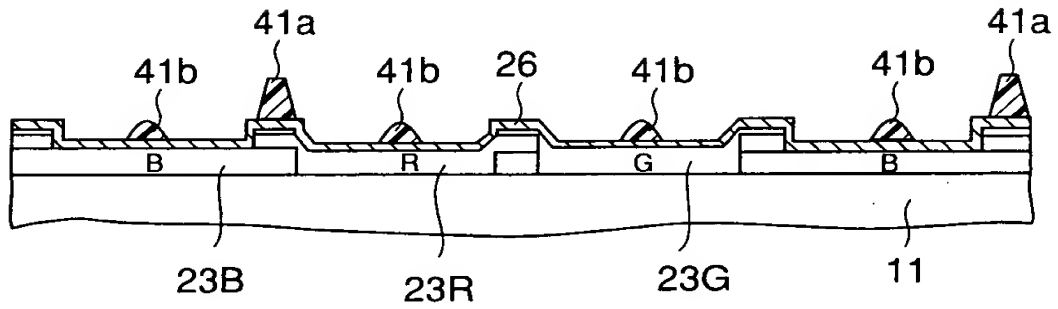


FIG. 26E

FIG. 27A

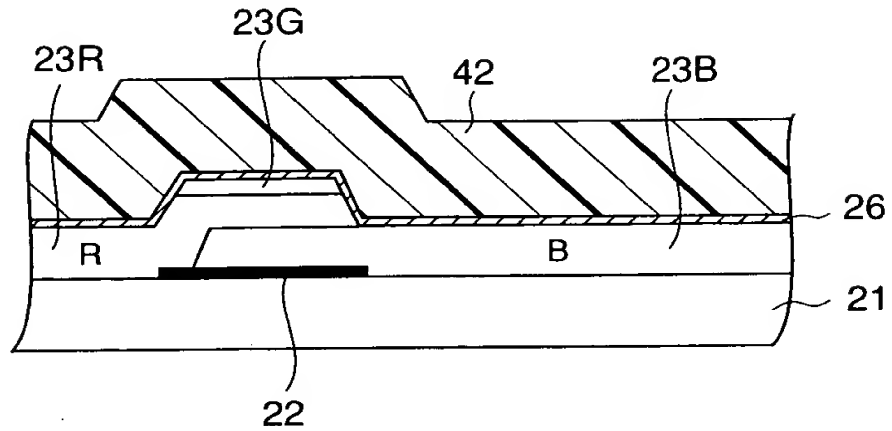


FIG. 27B

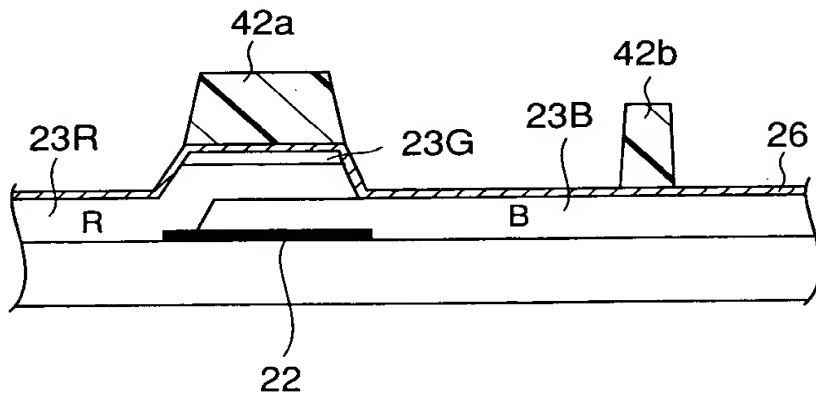


FIG. 27C

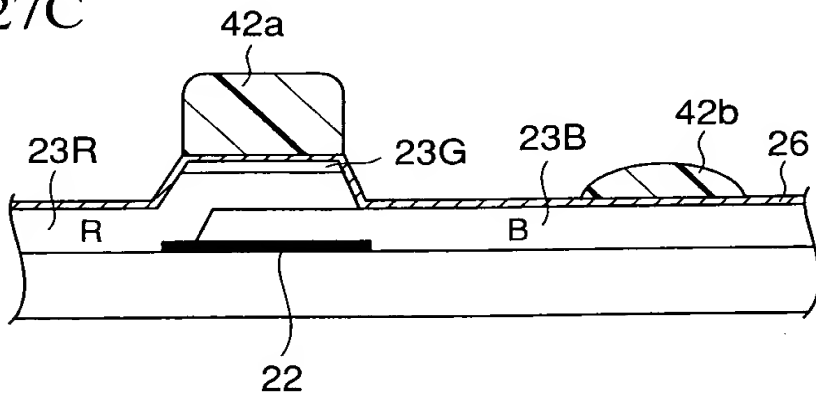


FIG. 27A

FIG. 28

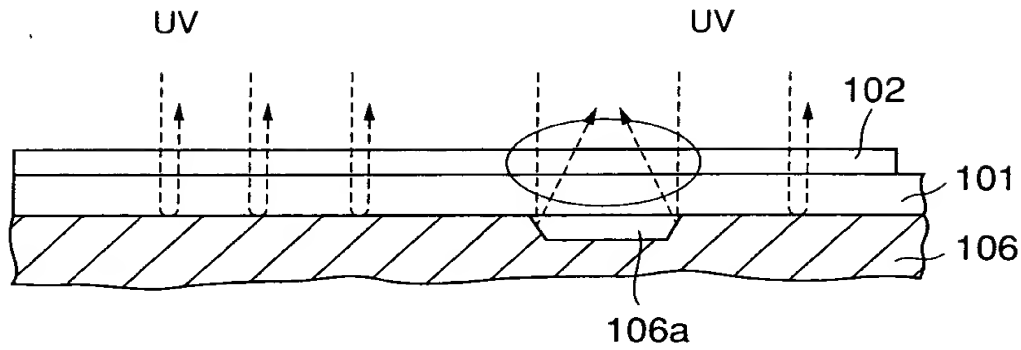
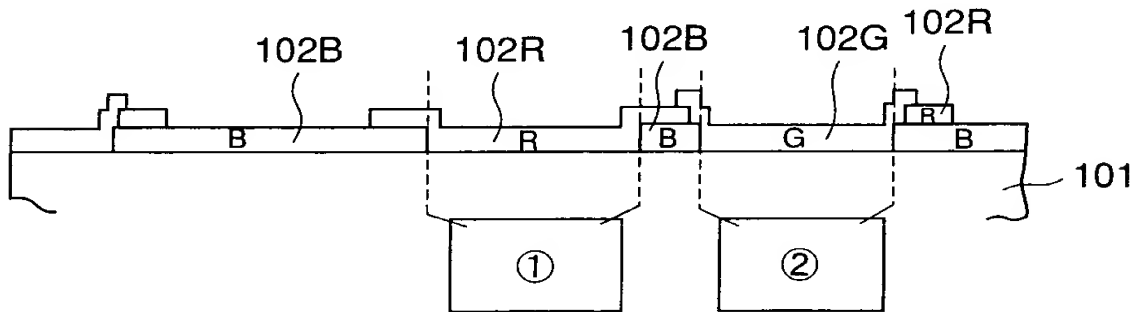


FIG. 29



- ① STAGE TRACE OCCURRING AREA (STRONG)
- ② STAGE TRACE OCCURRING AREA (WEAK)

FIG. 30A

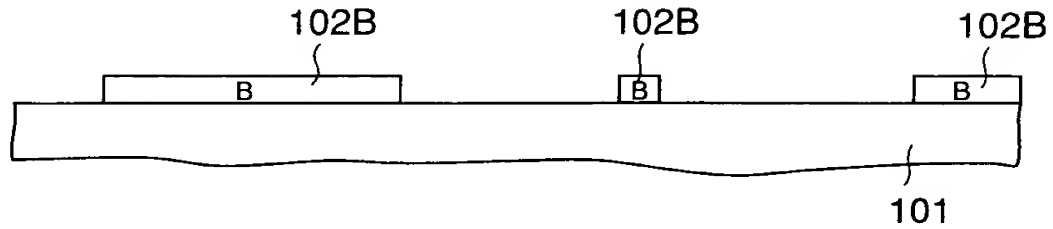


FIG. 30B

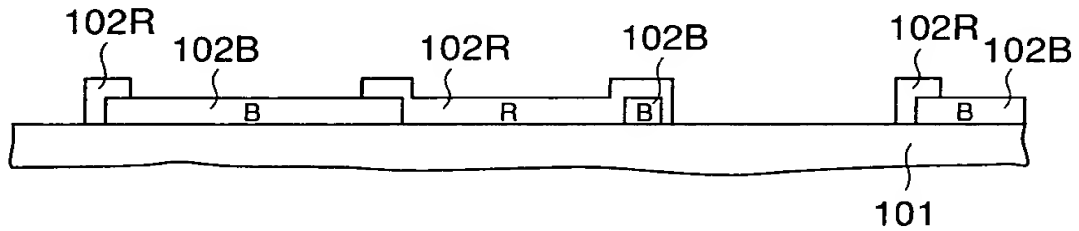


FIG. 30C

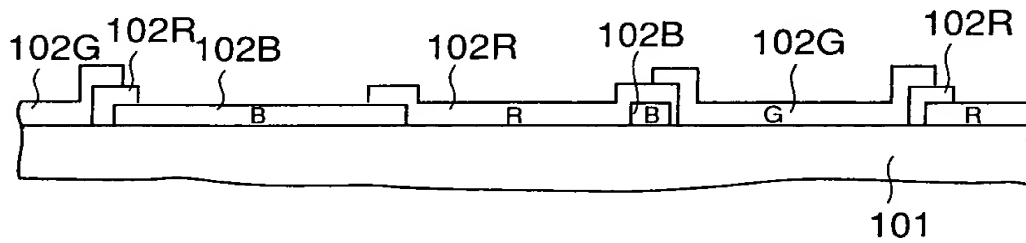


FIG. 30D

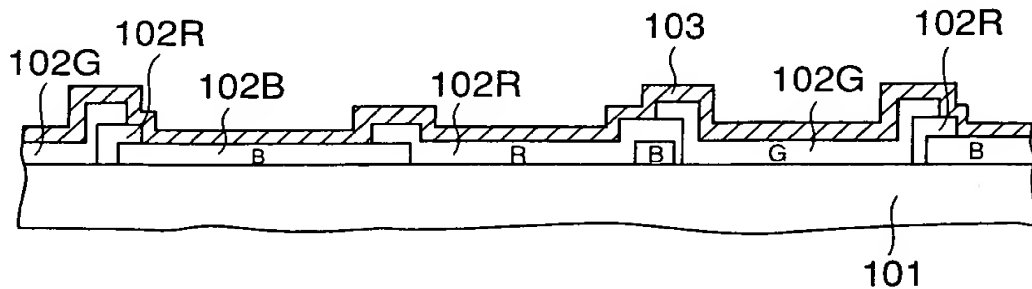


FIG. 31A

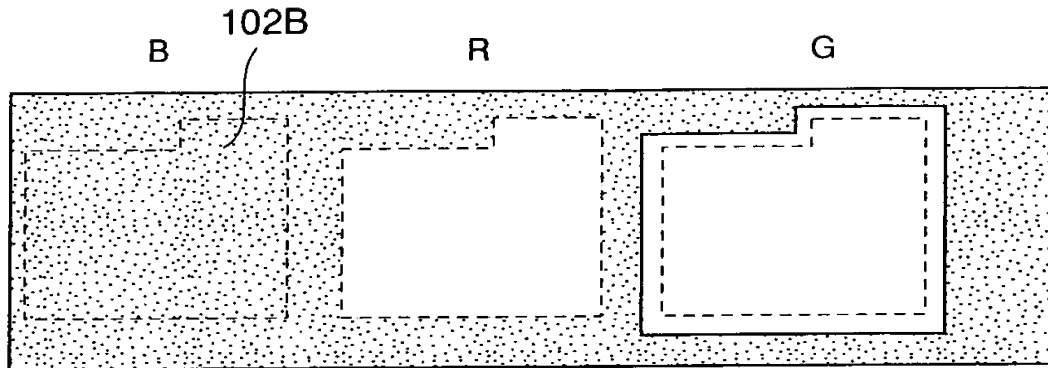


FIG. 31B

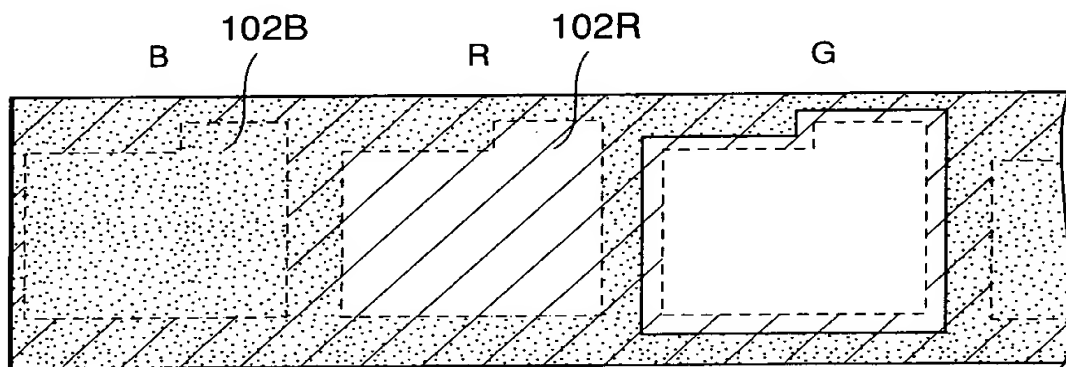


FIG. 31C

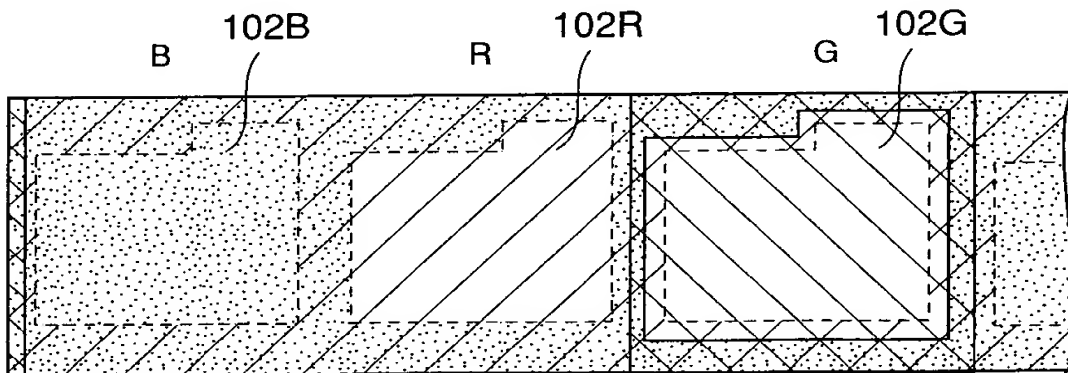
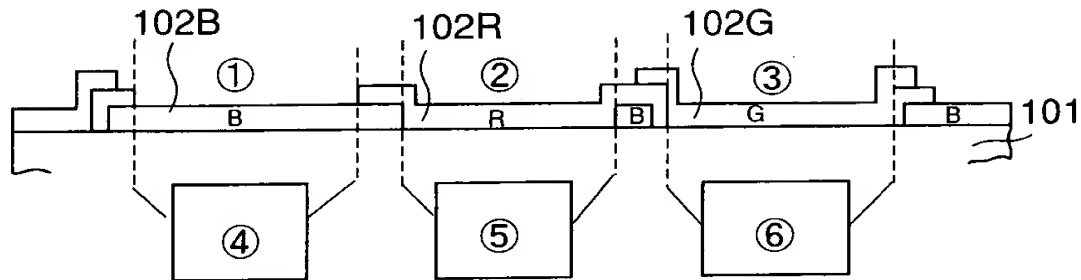
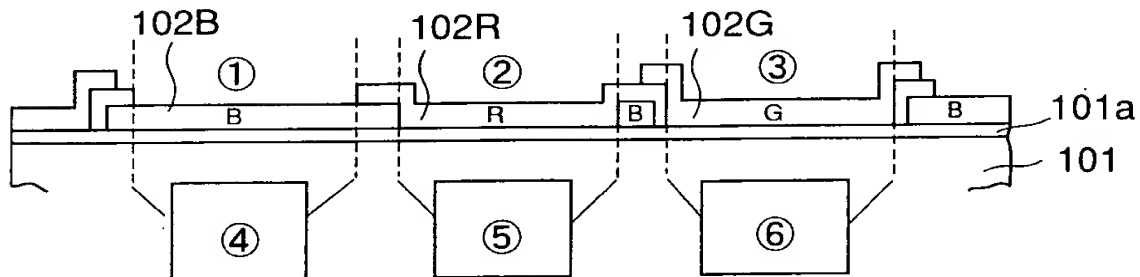


FIG. 32



- ① "B" PIXEL OPENING AREA
- ② "R" PIXEL OPENING AREA
- ③ "G" PIXEL OPENING AREA
- ④ "B" EDGE (RB OVERLAP)
- ⑤ "R" EDGE (RB OVERLAP)
- ⑥ "G" EDGE (RG OVERLAP)

FIG. 33



- ① "B" PIXEL OPENING AREA
- ② "R" PIXEL OPENING AREA
- ③ "G" PIXEL OPENING AREA
- ④ "B" EDGE (RB OVERLAP)
- ⑤ "R" EDGE (RB OVERLAP)
- ⑥ "G" EDGE (RG OVERLAP)

FIG. 34A

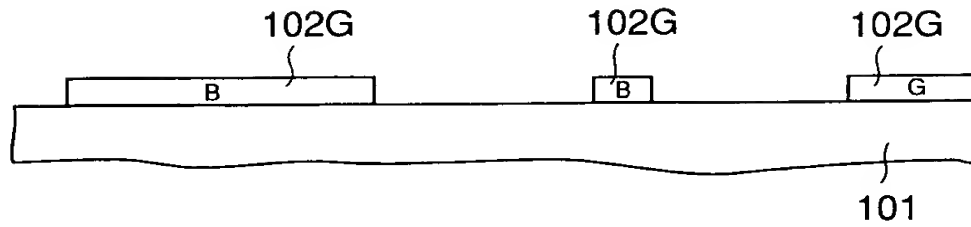


FIG. 34B

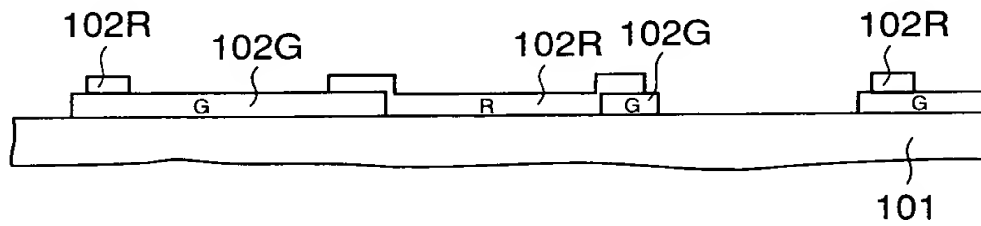


FIG. 34C

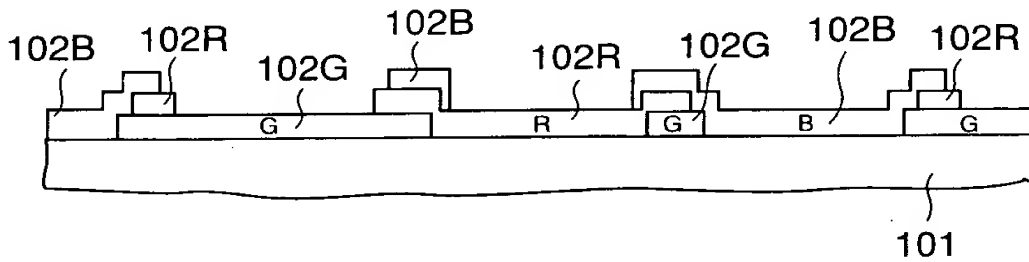


FIG. 35A

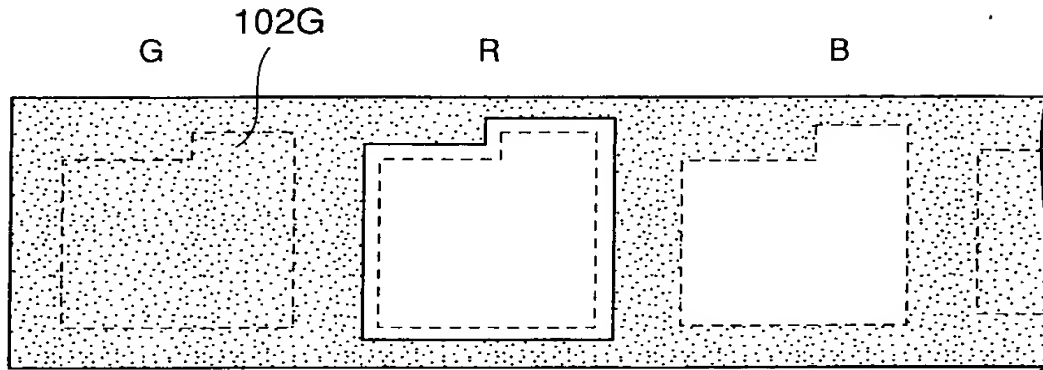


FIG. 35B

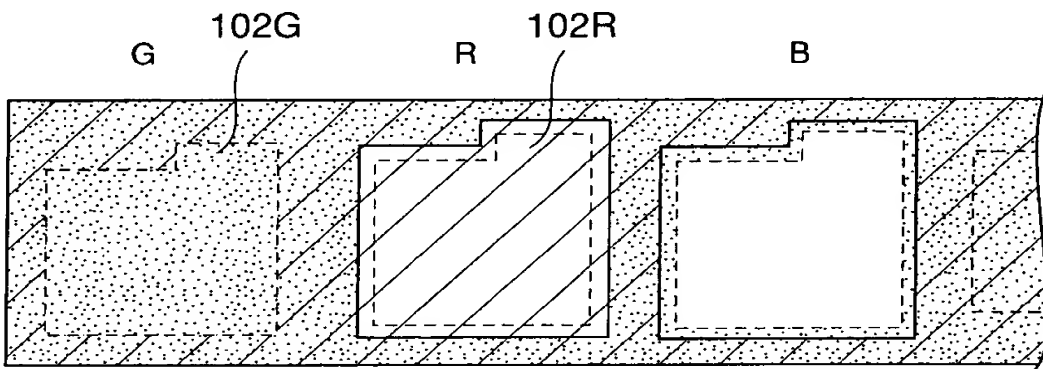


FIG. 35C

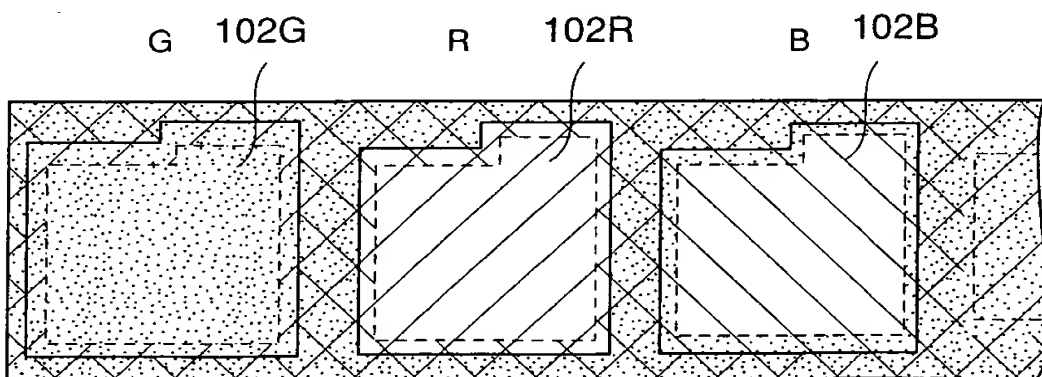
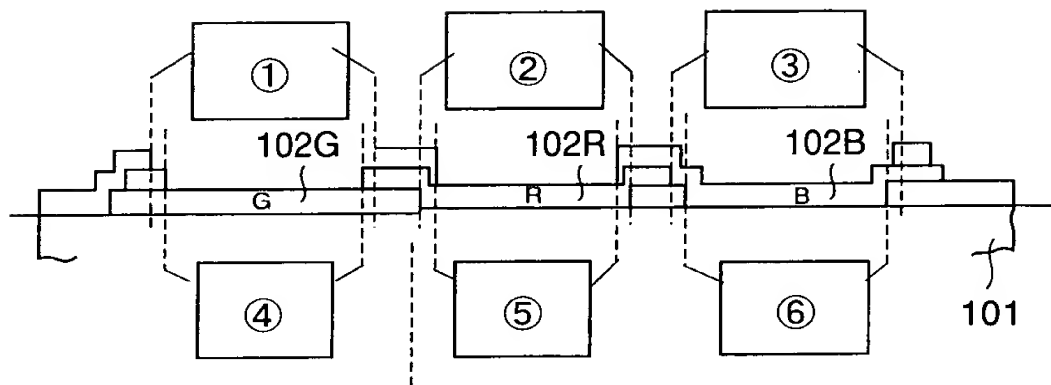
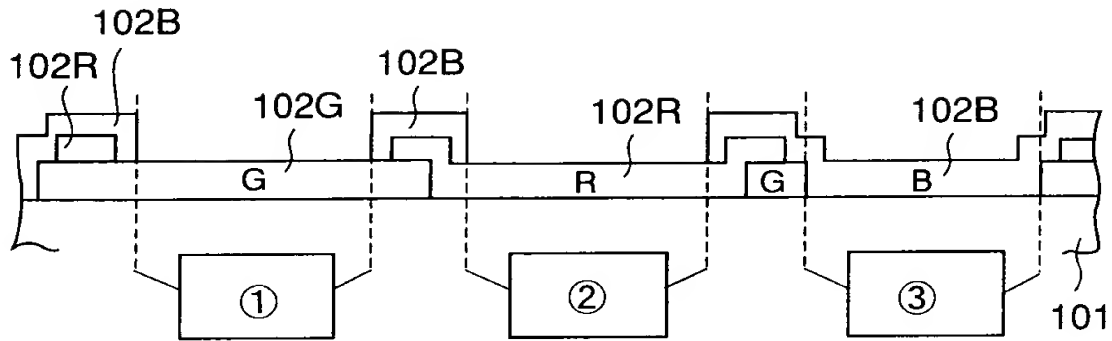


FIG. 36



- ① (ii) "G" EDGE (RGB OVERLAP)
- ② (ii) "R" EDGE (RGB OVERLAP)
- ③ (ii) "B" EDGE (RGB OVERLAP)
- ④ (i) "G" EDGE (RG OVERLAP)
- ⑤ (i) "R" EDGE (RG OVERLAP)
- ⑥ (i) "B" EDGE (GB OVERLAP)

FIG. 37



- ① "G" EDGE (BG OVERLAP)
- ② "R" EDGE (RB OVERLAP)
- ③ "B" EDGE (GB OVERLAP)

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FIG. 38

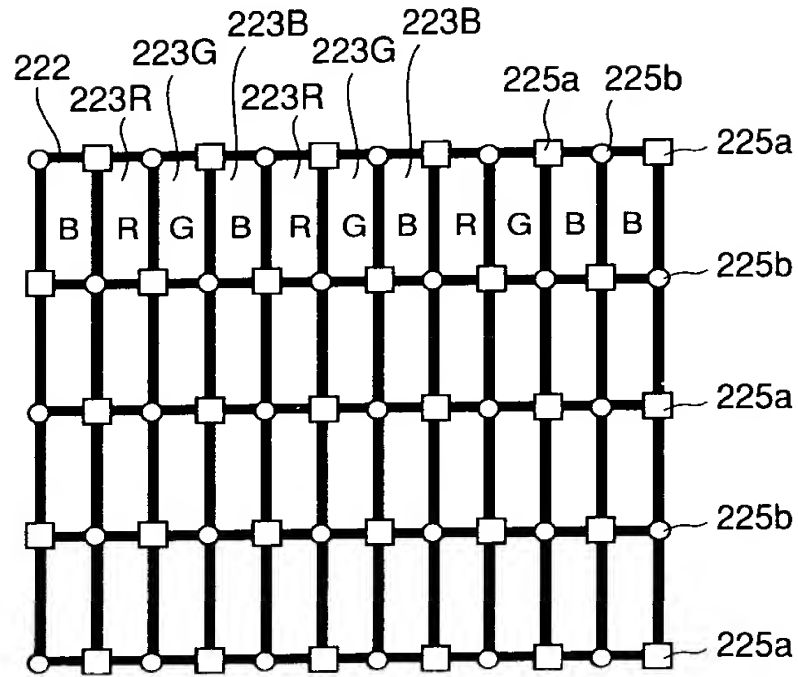


FIG. 39

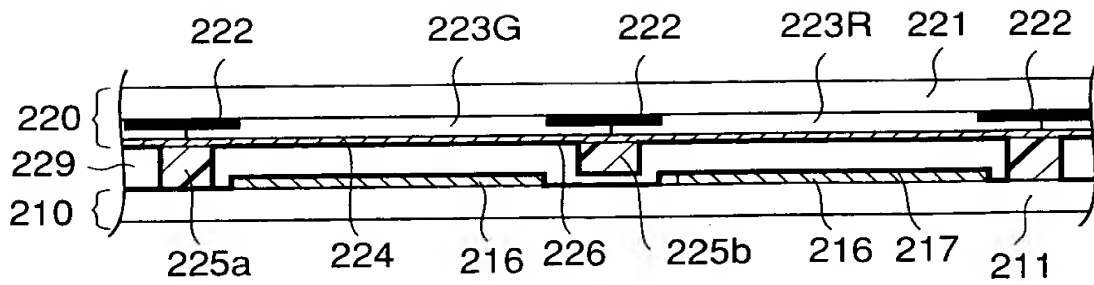


FIG. 40

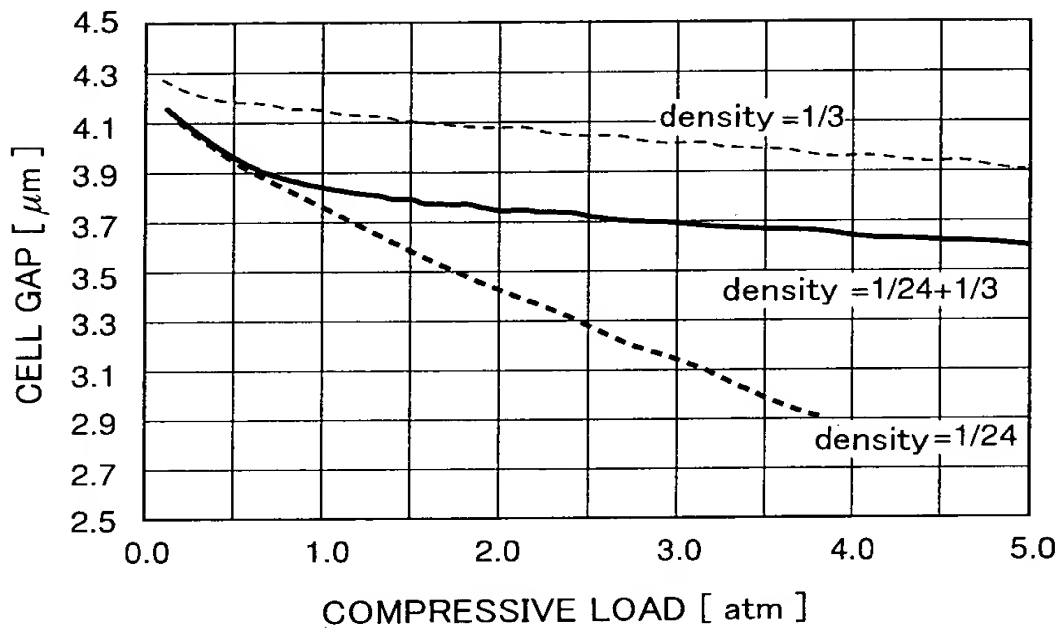


FIG. 41A

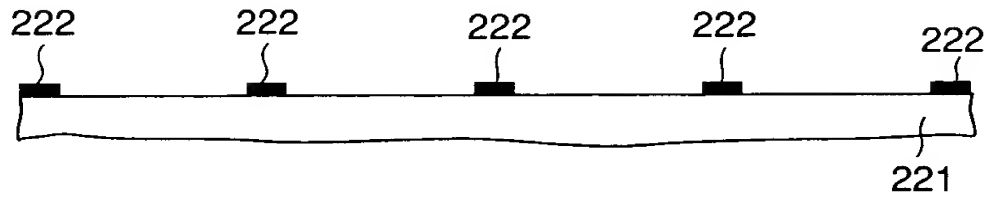


FIG. 41B

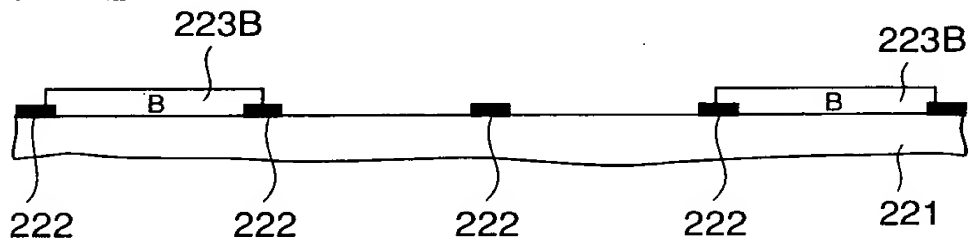


FIG. 41C

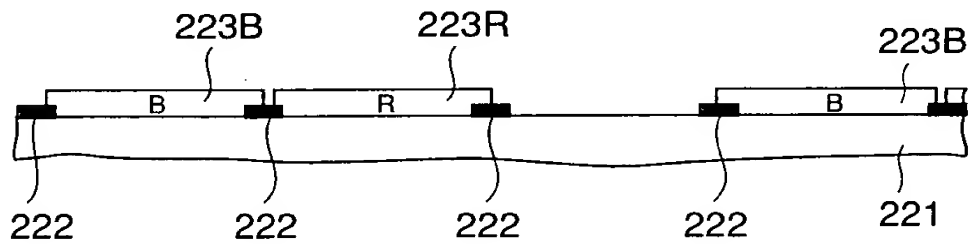


FIG. 41D

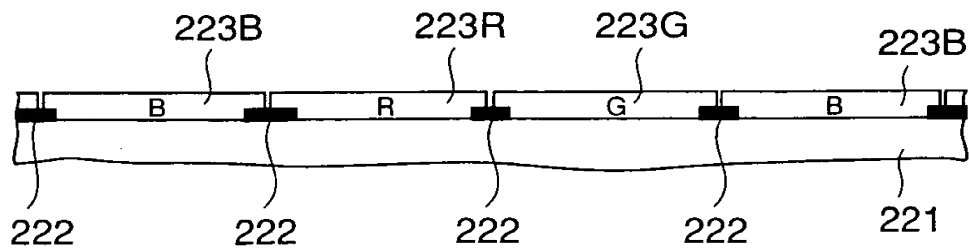


FIG. 41E

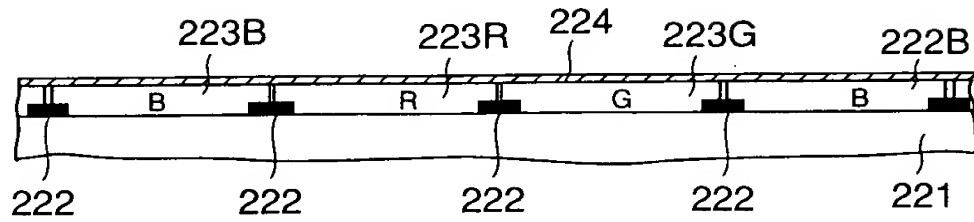


FIG. 41F

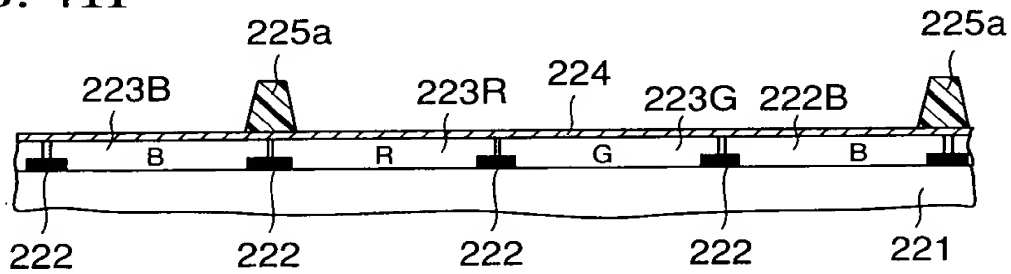


FIG. 41G

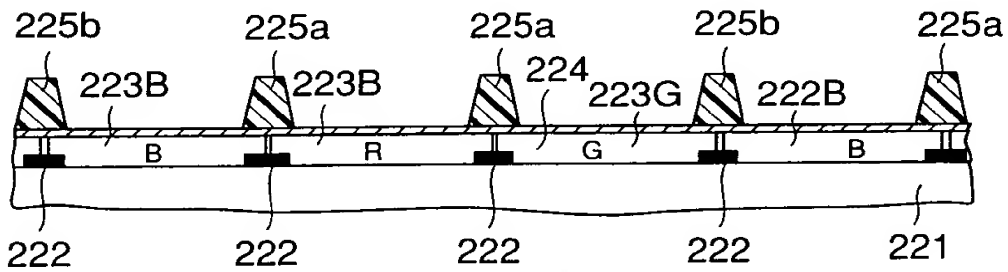


FIG. 42

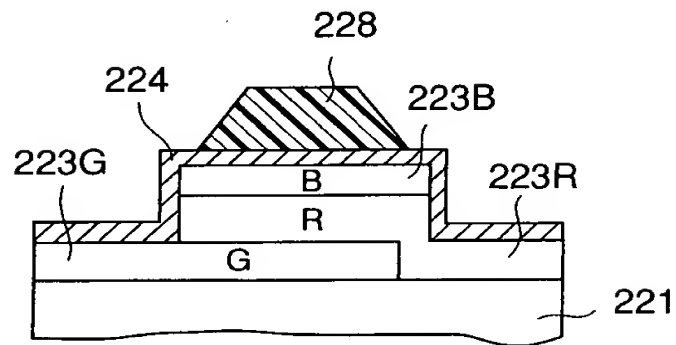


FIG. 43

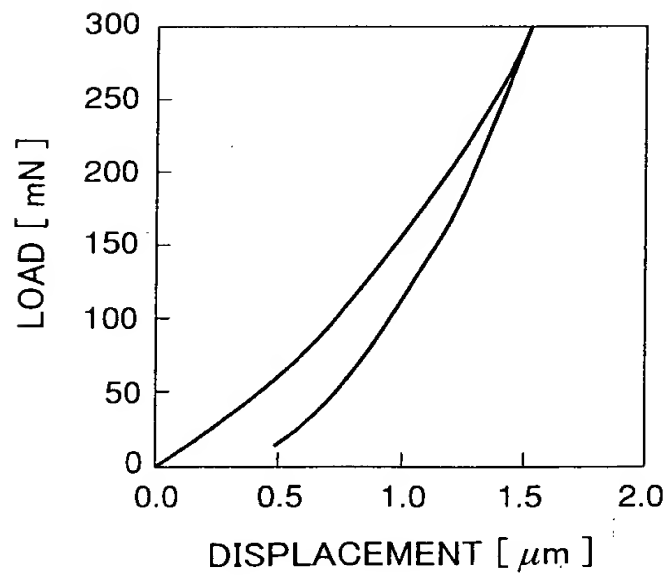
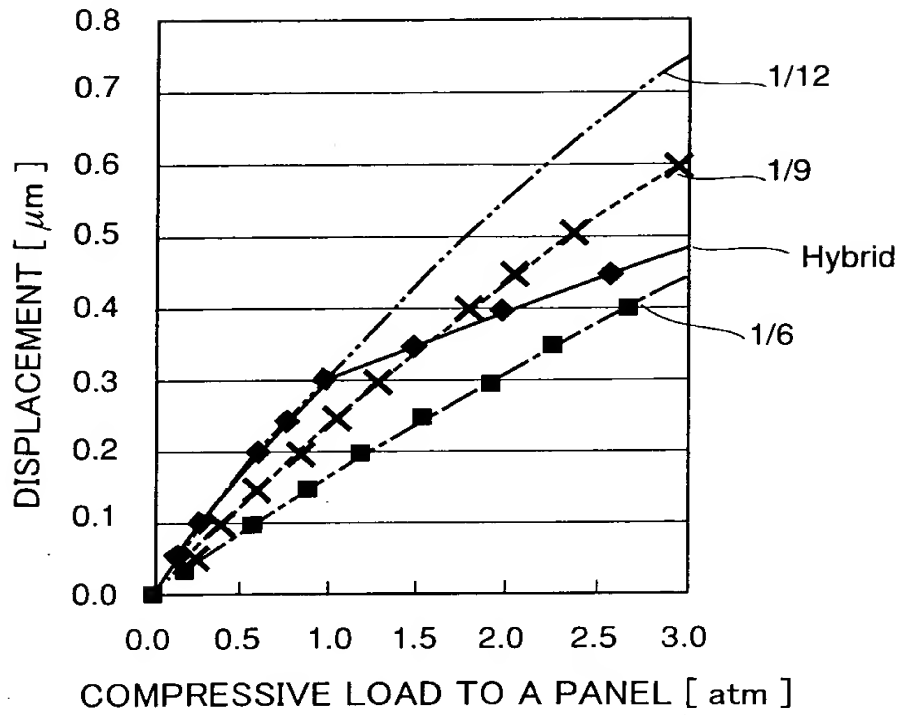


FIG. 44



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FIG. 45

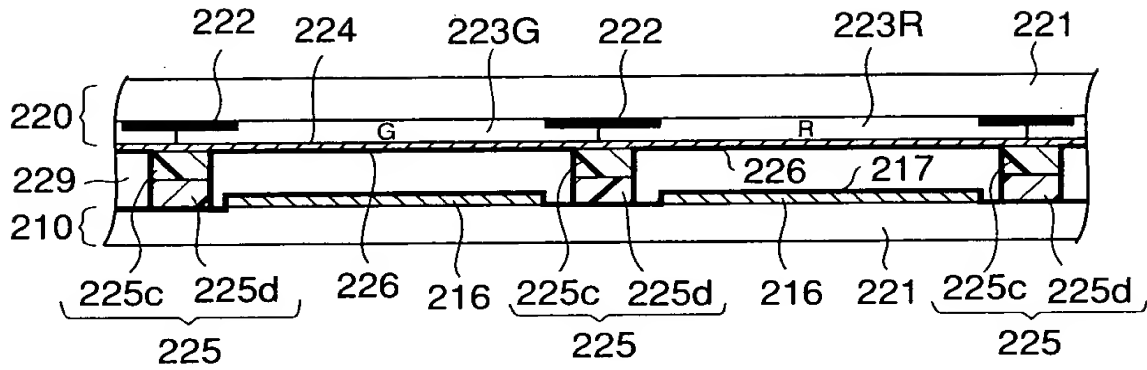


FIG. 45



FIG. 46A

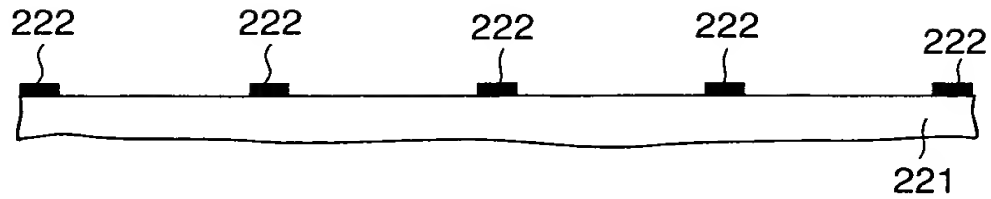


FIG. 46B

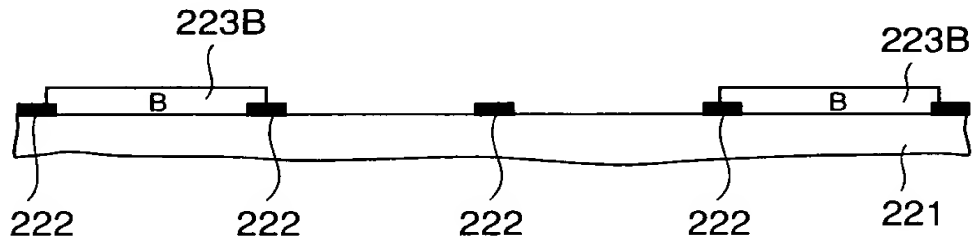


FIG. 46C

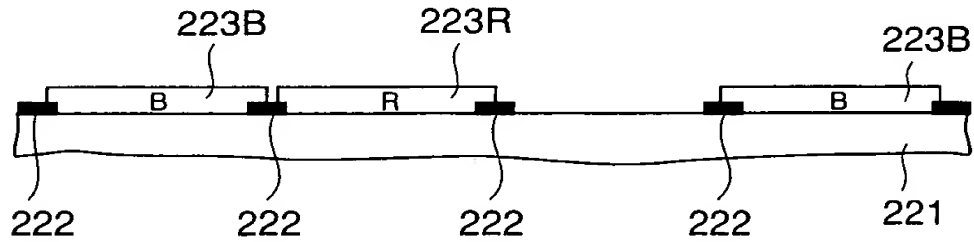


FIG. 46D

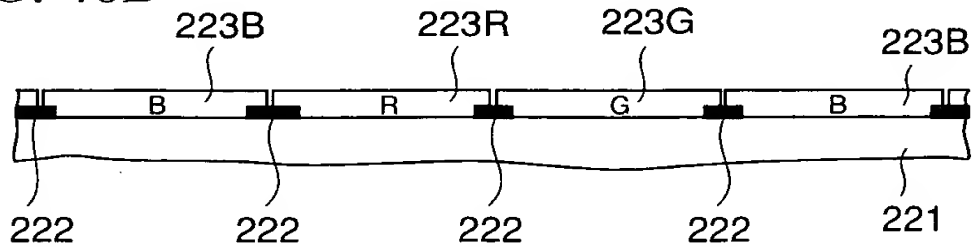


FIG. 46A

FIG. 46E

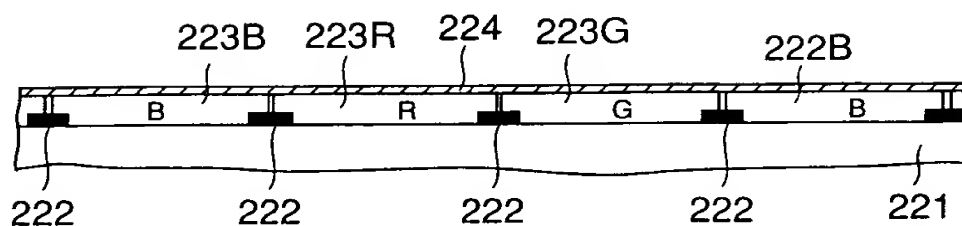


FIG. 46F

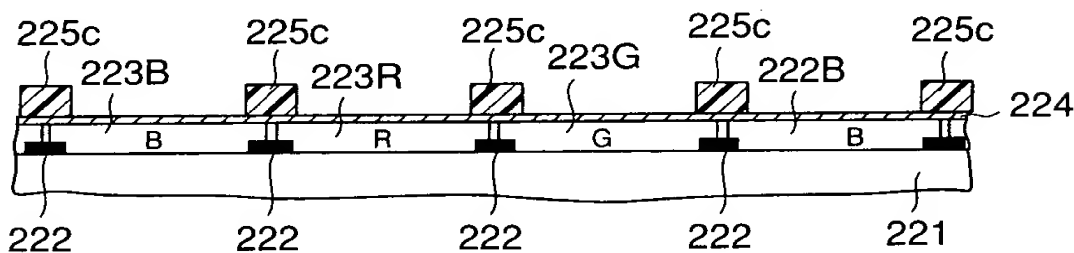


FIG. 46G

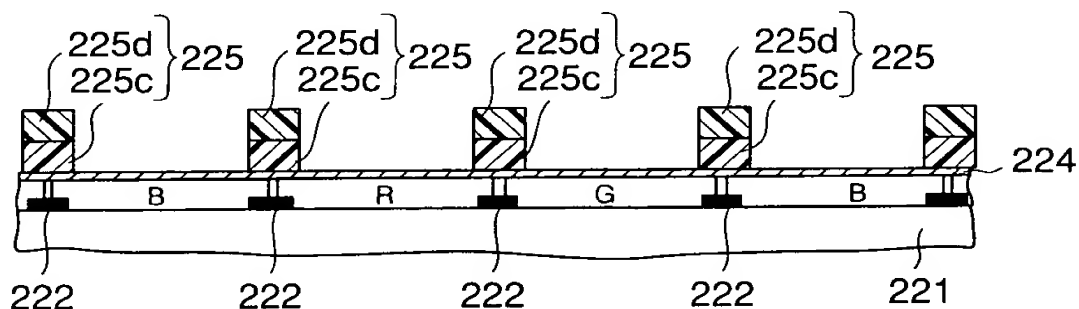


FIG. 46E

FIG. 47

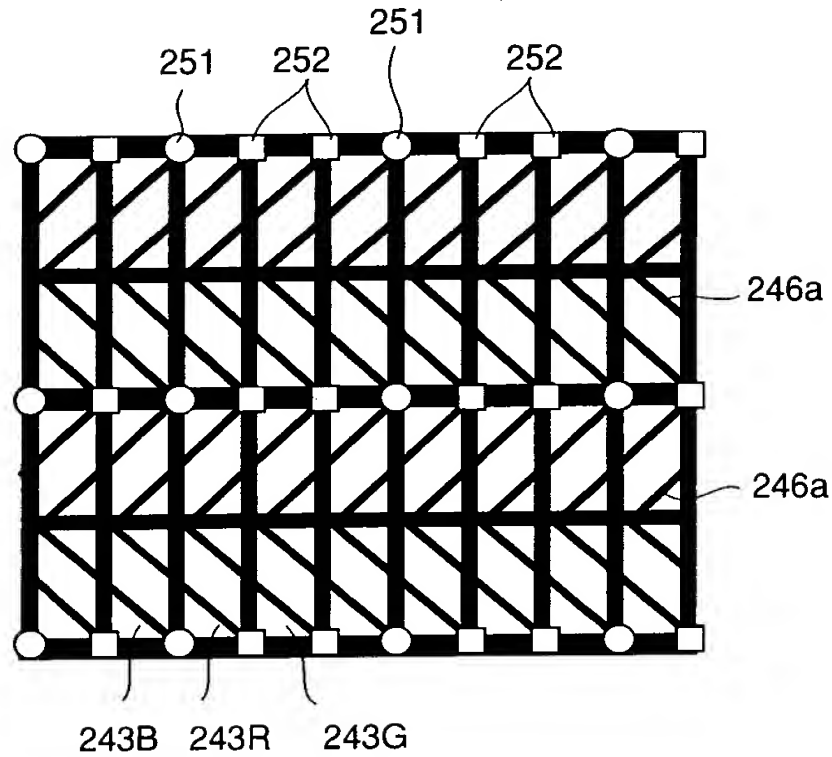


FIG. 48

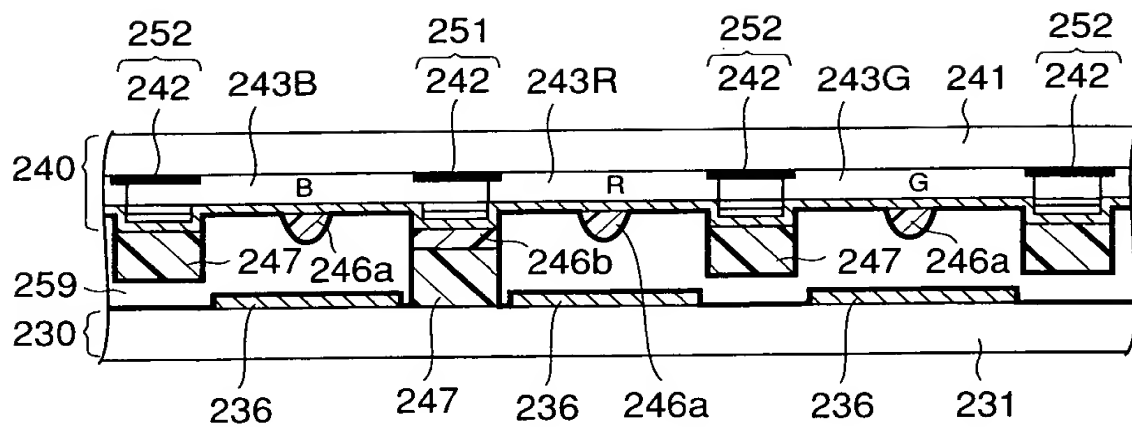


FIG. 49A

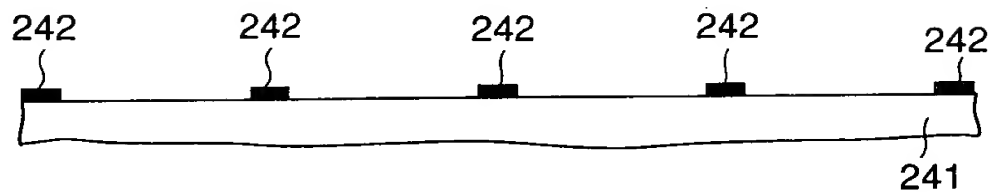


FIG. 49B

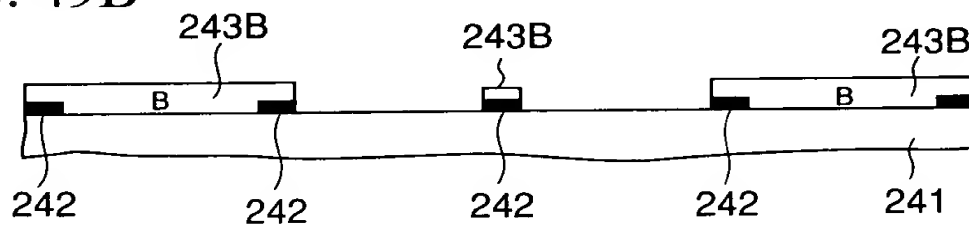


FIG. 49C

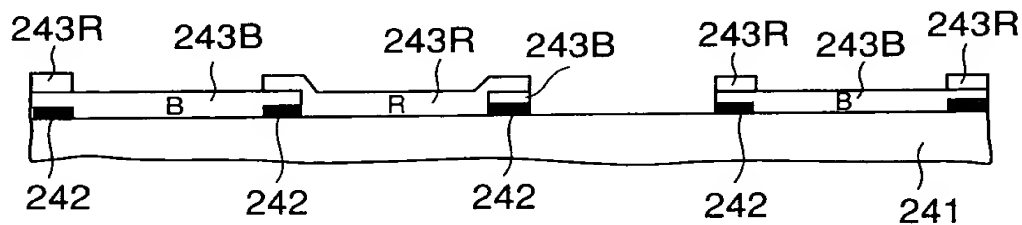


FIG. 49D

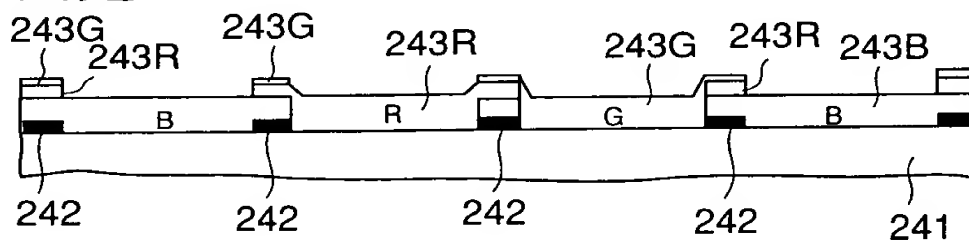


FIG. 49E

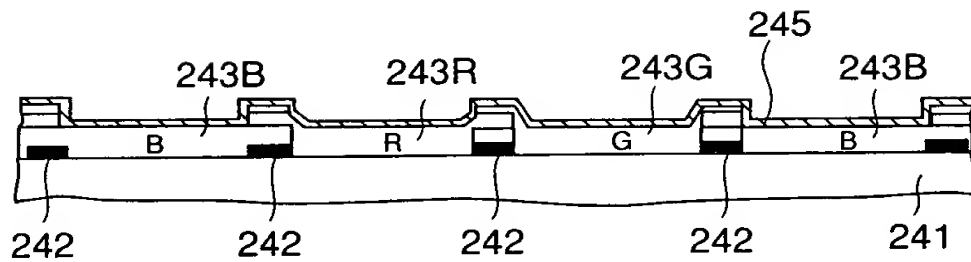


FIG. 49F

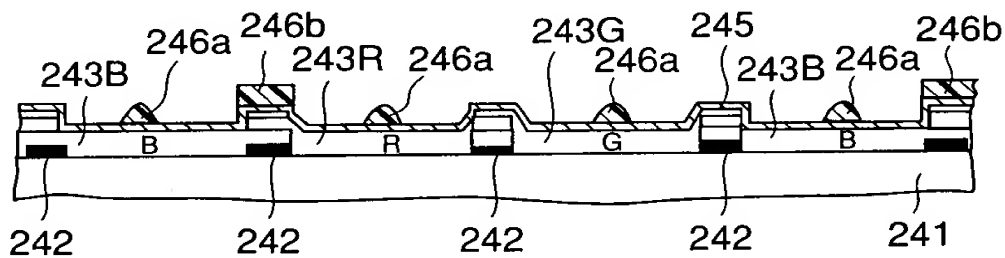


FIG. 49G

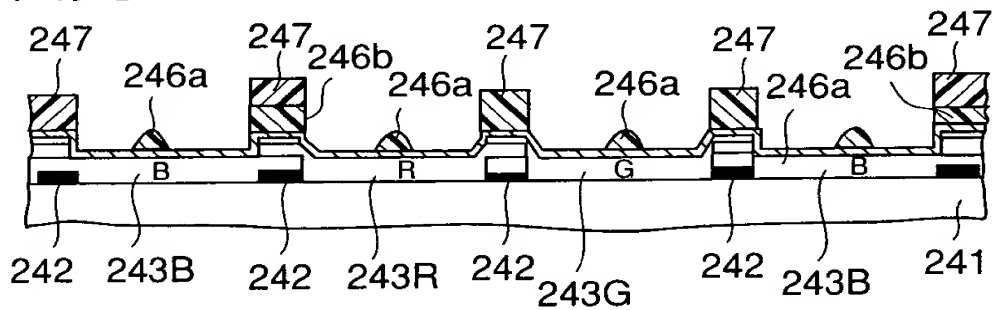


FIG. 50A

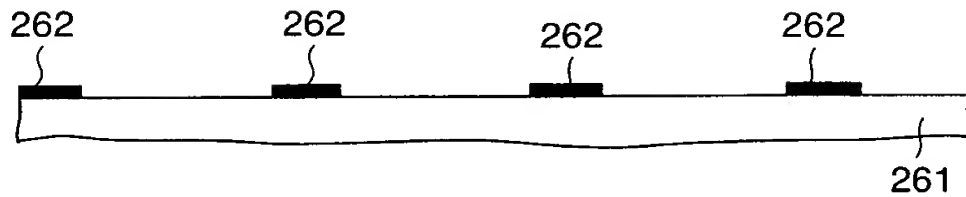


FIG. 50B

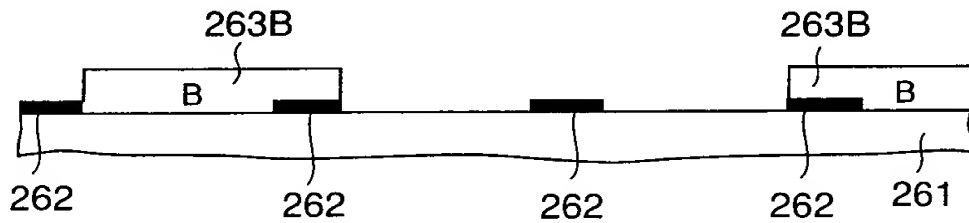


FIG. 50C

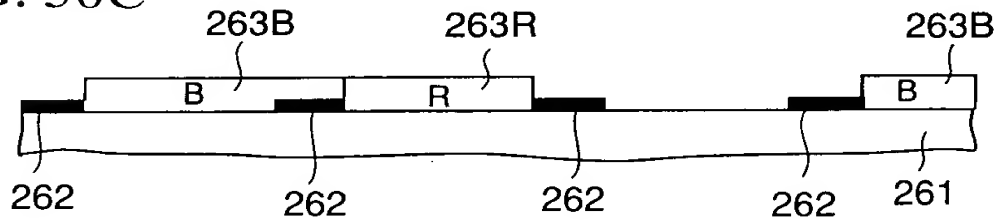


FIG. 50D

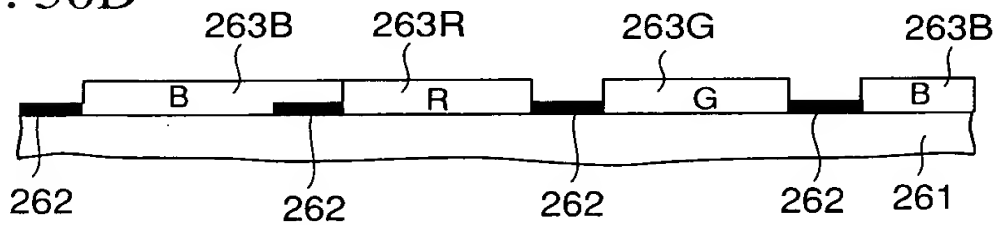


FIG. 50E

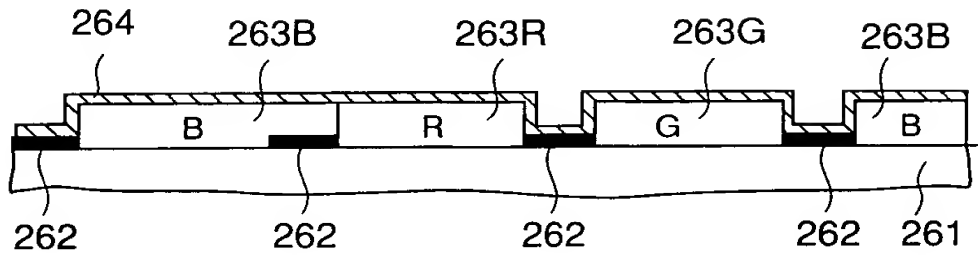


FIG. 50F

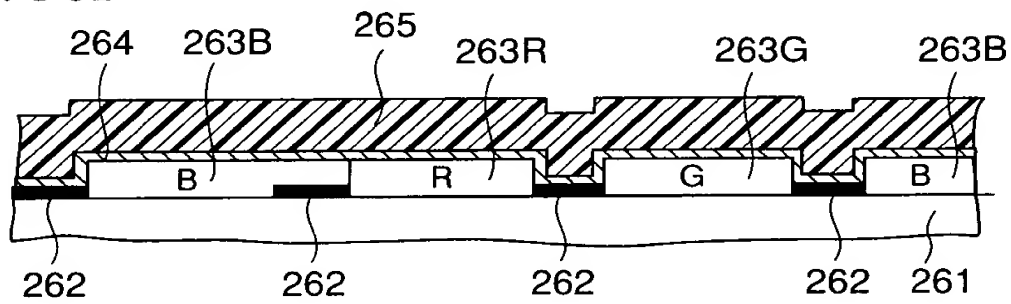


FIG. 50G

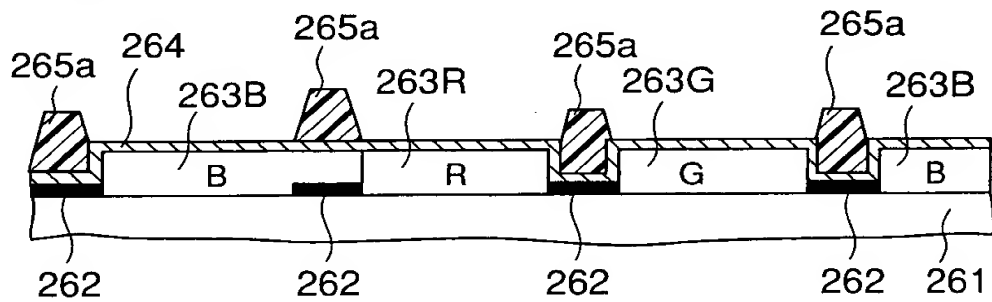


FIG. 51

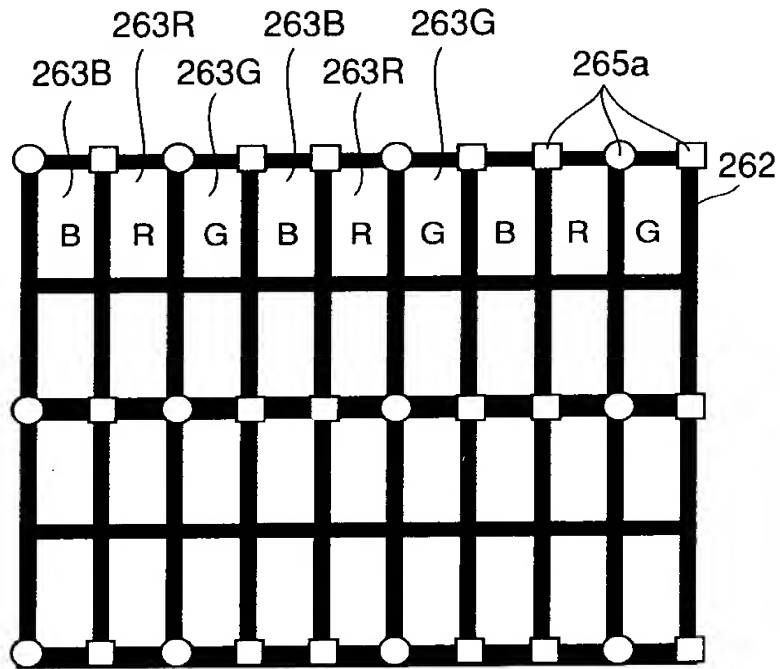


FIG. 51

FIG. 52

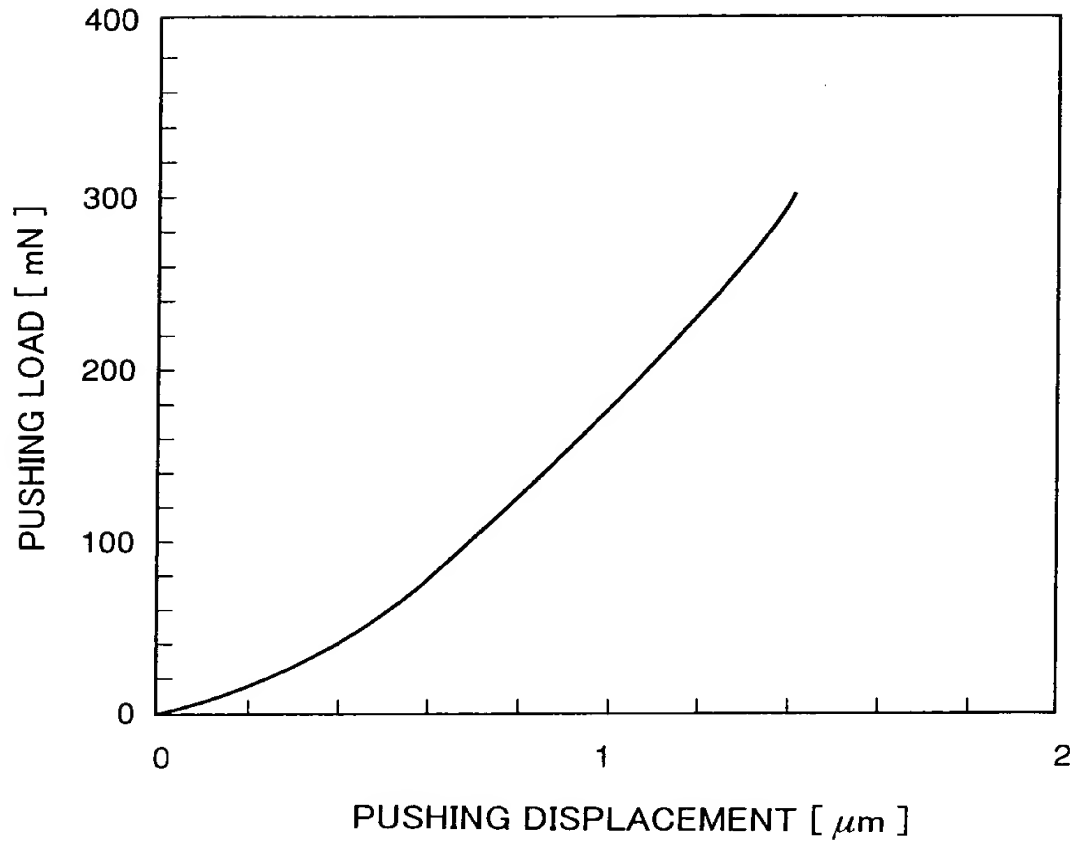


FIG. 53

SAMPLE NUMBER	No.1	No.2	No.3	No.4	No.5
DENSITY cm^{-2}	141	283	567	1133	3400
$\times \mu\text{m}$	0.57	0.38	0.25	0.17	0.09
\times/d	0.143	0.095	0.063	0.043	0.023
HIGH TEMPERATURE EXPANSION 60°C	NOT OCCURRED	NOT OCCURRED	NOT OCCURRED	OCCURRED	OCCURRED
LOW TEMPERATURE FOAMING -20°C	NOT OCCURRED	NOT OCCURRED	NOT OCCURRED	OCCURRED	OCCURRED

FIG. 54A

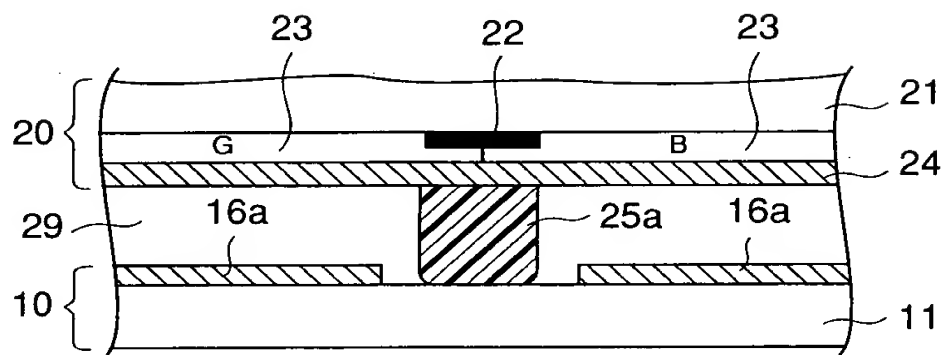


FIG. 54B

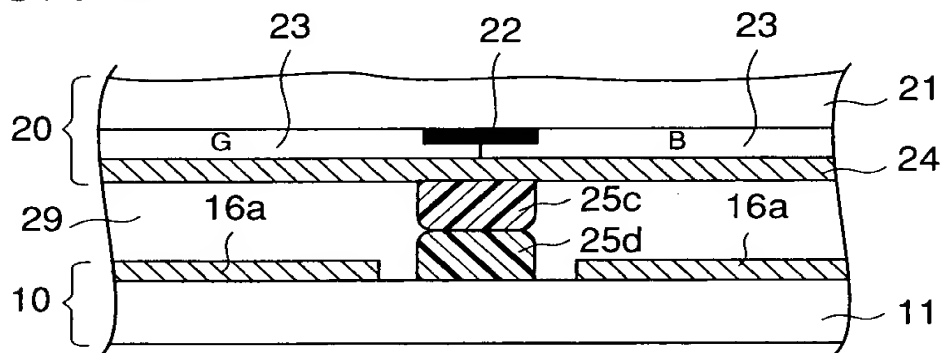


FIG. 55

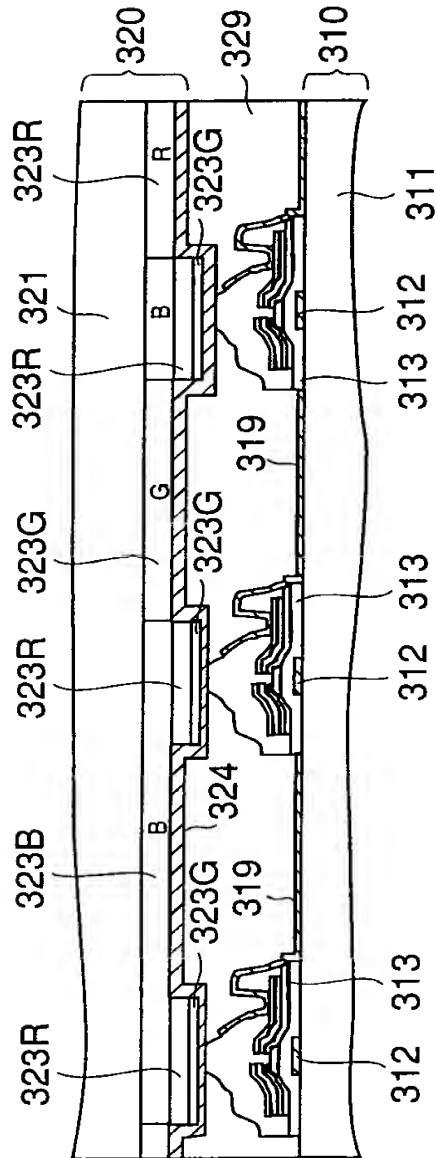


FIG. 56

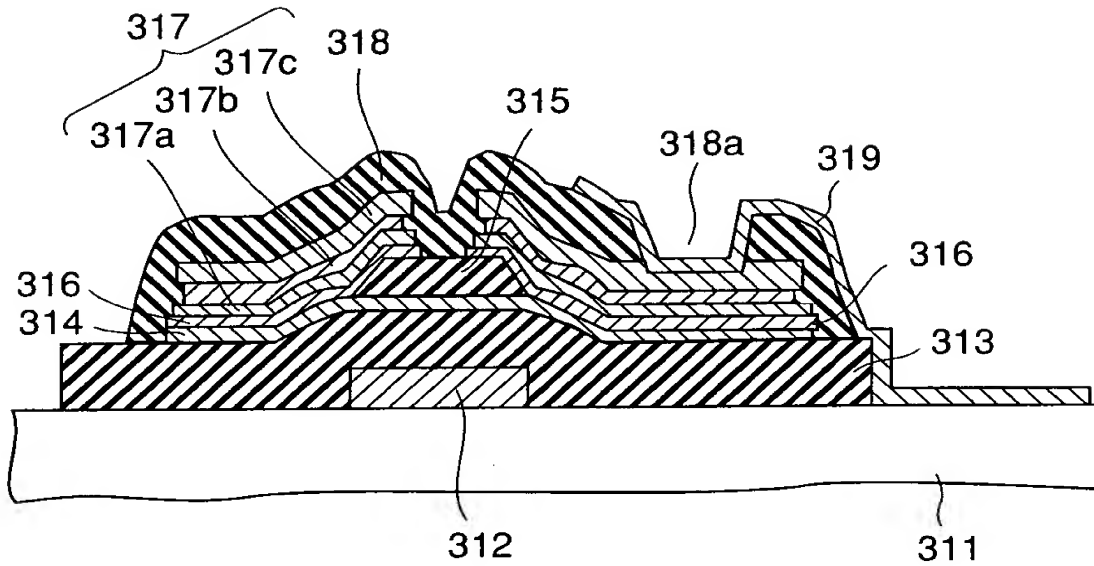


FIG. 56

FIG. 57A

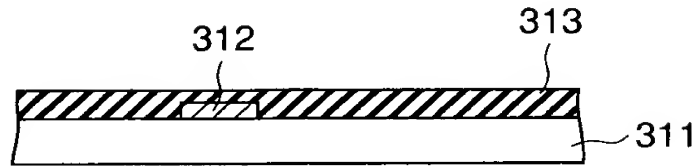


FIG. 57B

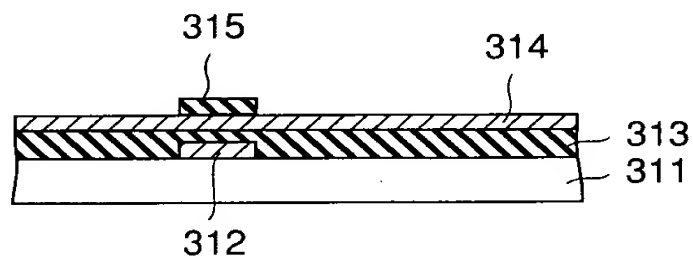


FIG. 57C

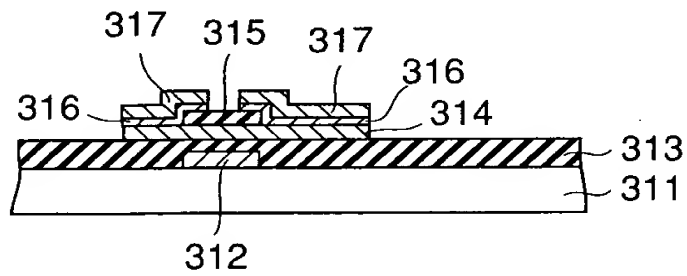


FIG. 57D

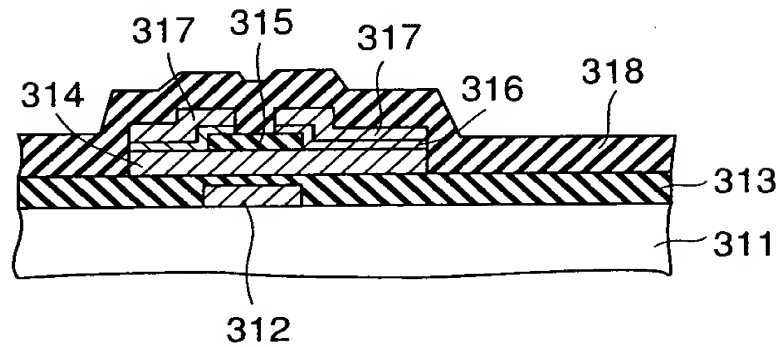
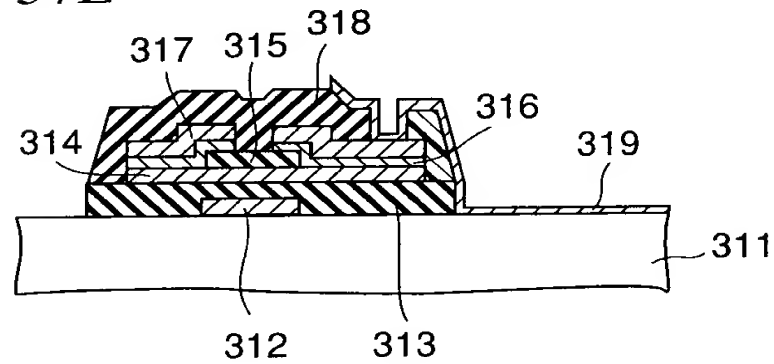
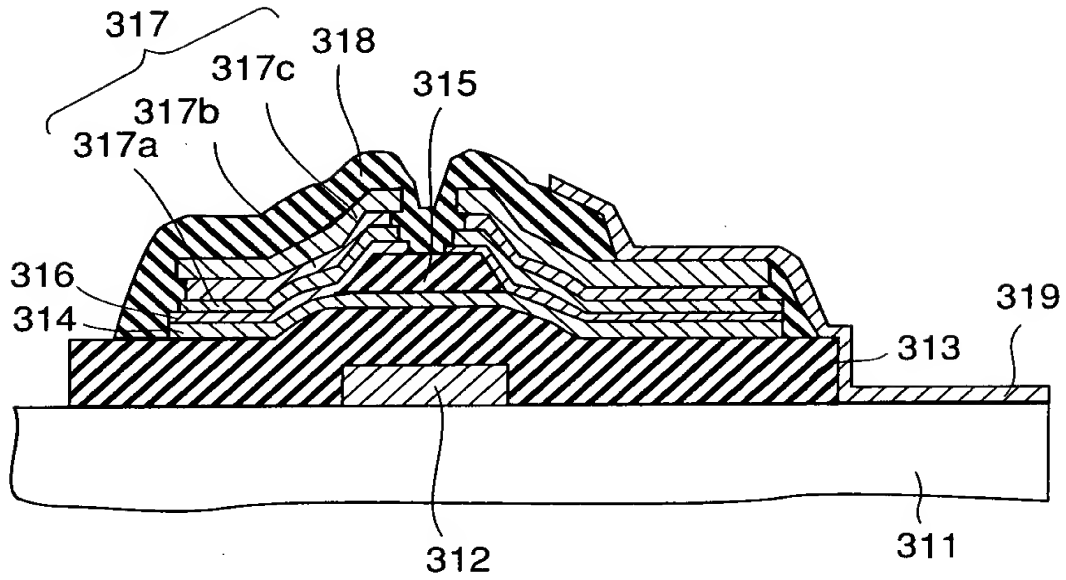


FIG. 57E



[illegible]

FIG. 59



This cross-sectional view shows a multi-layered substrate. A central layer, labeled 340, contains a patterned region with alternating black and white segments labeled B, G, and R. This central layer is flanked by layers 341 and 342. Below the central layer, there is a layer 310 containing conductive traces 319 and 331. The entire structure is supported by a base layer 312. The top surface of the substrate is labeled 343B, 343G, and 343R, corresponding to the segments in the central layer.

FIG. 61A

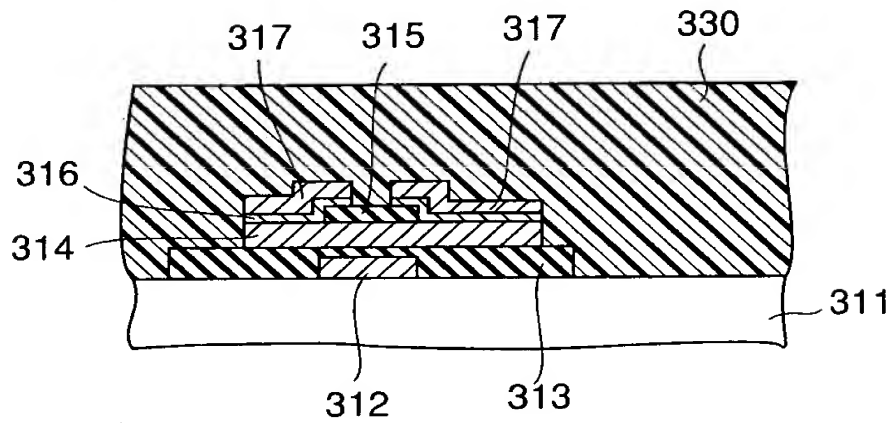


FIG. 61B

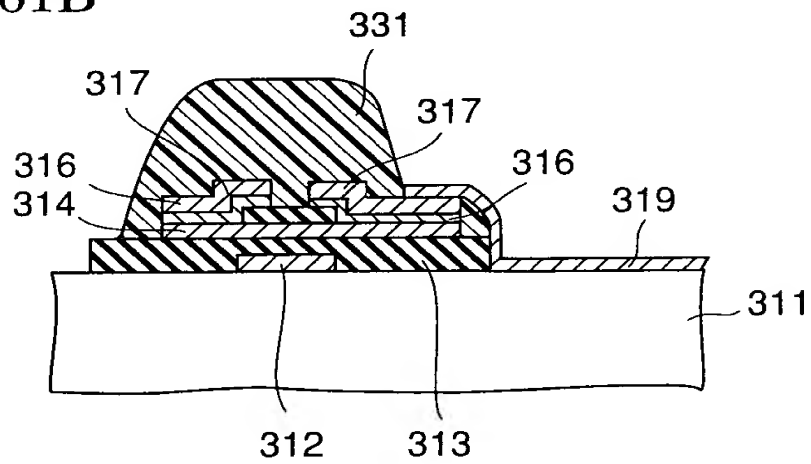


FIG. 62

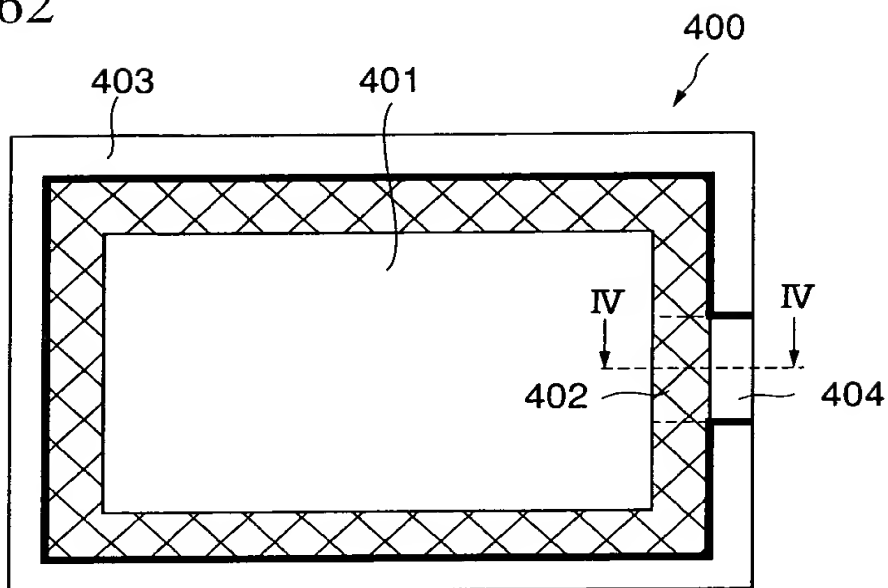


FIG. 62

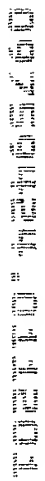
[illegible]

FIG. 64A

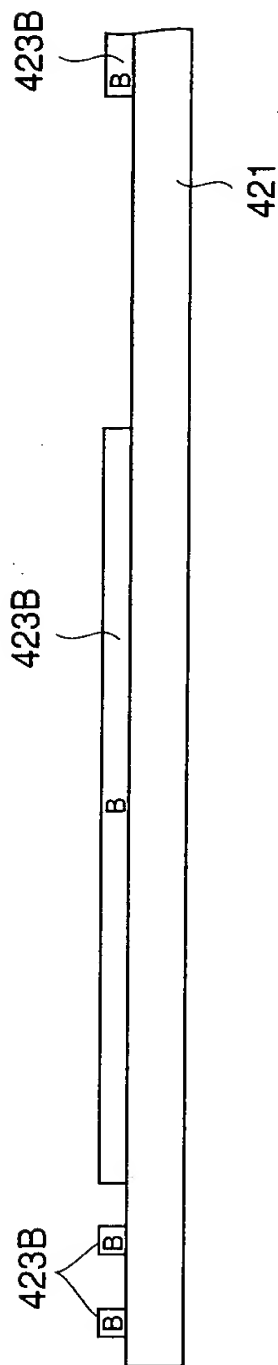


FIG. 64B

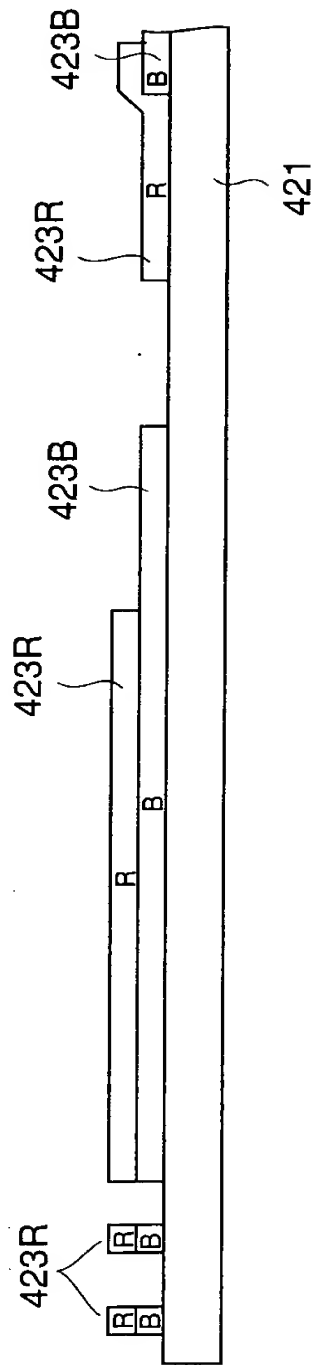


FIG. 64C

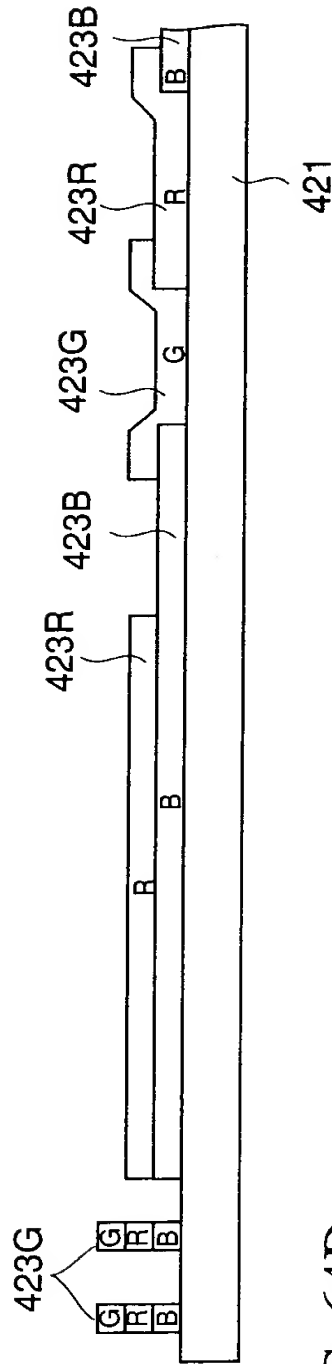


FIG. 64D

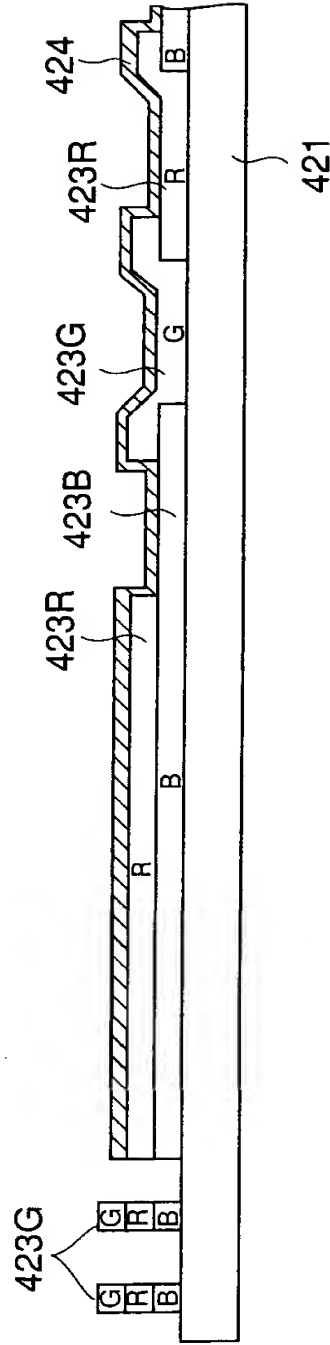


FIG. 64E

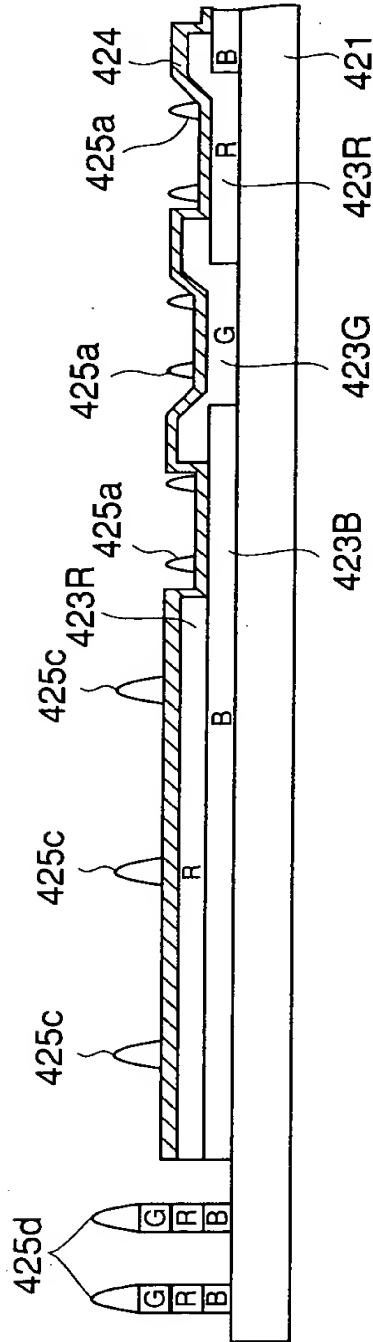


FIG. 65A

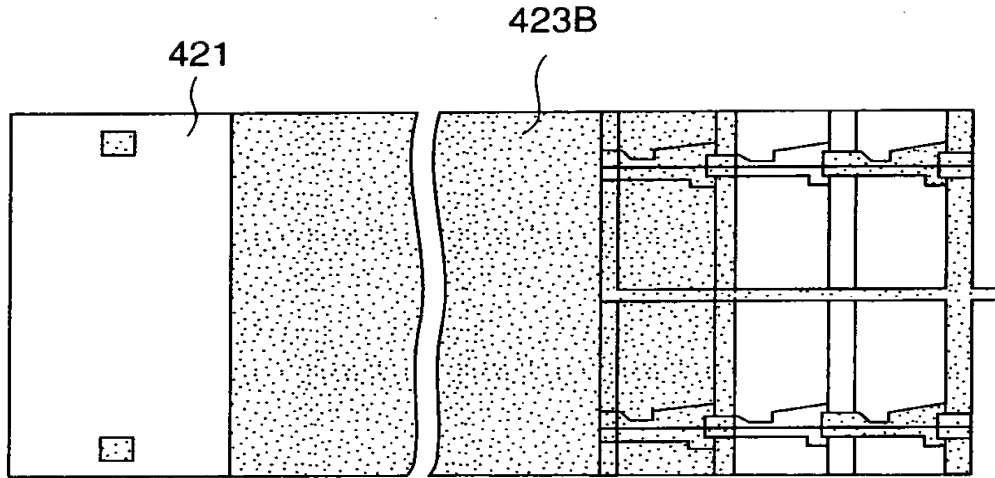


FIG. 65B

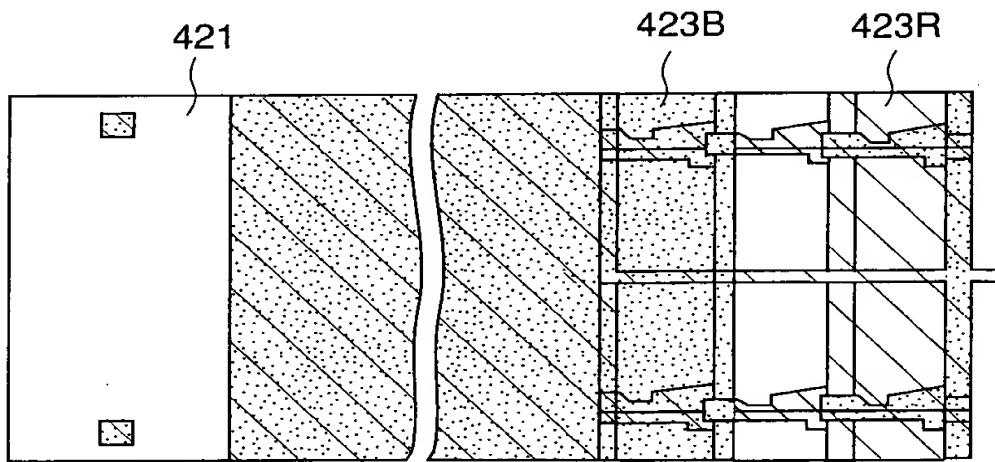


FIG. 65A

FIG. 65C

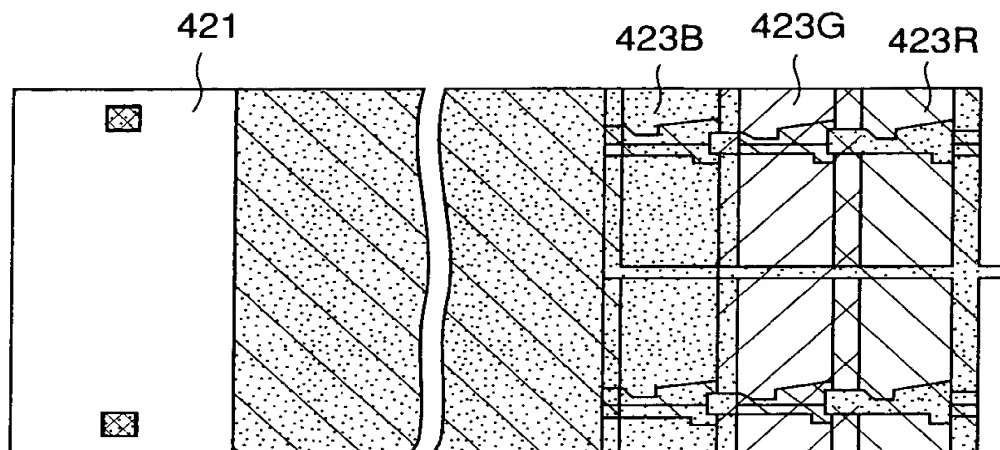


FIG. 65D

